



September 06, 2013

Brad Davis
Zia Engineering & Environmental
755 S Telshor Blvd Ste F-201
Las Cruces, NM 88011
TEL: (575) 993-6824
FAX (575) 532-1587
RE: Rhodes Canyon

Order No.: 1308230

Dear Brad Davis:

DHL Analytical, Inc. received 5 sample(s) on 8/22/2013 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of DoD QSM Ver 4.2 and NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. This report shall not be reproduced except in full without the written approval of DHL Analytical, Inc. Thank you for using DHL Analytical.

Sincerely,

A handwritten signature in red ink that reads "John DuPont".

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas & DoD Laboratory
Certification Number: T104704211-13-11 & DoD ELAP #ADE-1416 v2



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755 S. Te Isidor Blvd. Ste. F-201
Las Cruces, NM 88011
575-532-1526 u
575-532-1587 f

CHAIN OF CUSTODY RECORD

#1308230

PAGE _____ OF _____

PROJECT INFORMATION	SAMPLES RECEIVED	1. RELINQUISHED BY: (SIG/NATURE) <i>Bradley T. Davis</i>	2. RELINQUISHED BY: (SIG/NATURE) <i>Teddy</i>	3. RECEIVED BY LAB: (SIG/NATURE)
PROJECT MANAGER	TOTAL NO. OF CONTAINERS	(PRINTED NAME) <i>8-22-13</i>	(PRINTED NAME)	(PRINTED NAME)
<i>Brad Davis</i>	CHAIN OF CUSTODY/SERIAL SHIPPING ID NO.	RECEIVED BY: (SIG/NATURE) <i>Teddy</i>	RECEIVED BY: (SIG/NATURE) <i>Chase</i>	(COMPANY)
	GOOD CONDITION/CHILLED 1.)	(TIME) <i>8/21/13</i>	(TIME) <i>8/20/13 8:30</i>	(TIME)
VIA:	CONFORMS TO RECORD	SPECIAL INSTRUCTIONS/COMMENTS:		
<i>Fed EX</i>				

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name Zia Engineering & Environmental

Date Received: 8/22/2013

Work Order Number 1308230

Received by JB

Checklist completed by:



8/22/2013

Date

Reviewed by



8/22/2013

Initials

Date

Carrier name FedEx 1day

Shipping container/coolier in good condition? Yes No Not Present

Custody seals intact on shipping container/coolier? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Container/Temp Blank temperature in compliance? Yes No 1.8 °C

Water - VOA vials have zero headspace? Yes No No VOA vials submitted

Water - pH<2 acceptable upon receipt? Yes No NA LOT # 7179

Adjusted? _____ Checked by _____

Water - pH>9 (S) or pH>12 (CN) acceptable upon receipt? Yes No NA LOT #

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action: _____

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: Rhodes Canyon		Date: 9/6/13					
Reviewer Name: Carlos Castro		Laboratory Work Order: 1308230					
Prep Batch Number(s): See Prep Dates Report		Run Batch: See Analytical Dates Report					
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
R1	OI	Chain-of-Custody (C-O-C)					
		1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				R1-01
R2	OI	Sample and Quality Control (QC) Identification					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
R3	OI	Test Reports					
		1) Were all samples prepared and analyzed within holding times?	X				
R4	O	2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		3) Were calculations checked by a peer or supervisor?	X				
		4) Were all analyte identifications checked by a peer or supervisor?	X				
		5) Were sample quantitation limits reported for all analytes not detected?	X				
		6) Were all results for soil and sediment samples reported on a dry weight basis?		X			
		7) Were % moisture (or solids) reported for all soil and sediment samples?		X			
		8) If required for the project, TICs reported?		X			
		Surrogate Recovery Data					
R5	OI	1) Were surrogates added prior to extraction?	X				
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			R4-02
R6	OI	Test Reports/Summary Forms for Blank Samples					
		1) Were appropriate type(s) of blanks analyzed?	X				
		2) Were blanks analyzed at the appropriate frequency?	X				
		3) Where method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
R7	OI	4) Were blank concentrations < MQL?		X			R5-04
		Laboratory Control Samples (LCS):					
		1) Were all COCs included in the LCS?	X				
		2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		3) Were LCSs analyzed at the required frequency?	X				
		4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
R8	OI	5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	X				
		6) Was the LCSD RPD within QC limits (if applicable)?	X				
		Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Data					
		1) Were the project/method specified analytes included in the MS and MSD?	X				
R9	OI	2) Were MS/MSD analyzed at the appropriate frequency?	X				
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			R7-03
		4) Were MS/MSD RPDs within laboratory QC limits?		X			R7-04
		Analytical Duplicate Data					
R10	OI	1) Were appropriate analytical duplicates analyzed for each matrix?	X				
		2) Were analytical duplicates analyzed at the appropriate frequency?	X				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	X				
Method Quantitation Limits (MQLs):							
R10	OI	1) Are the MQLs for each method analyte included in the laboratory data package?	X				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		3) Are unadjusted MQLs included in the laboratory data package?	X				
Other Problems/Anomalies							
R10	OI	1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		2) Were all necessary corrective actions performed for the reported data?	X				
		3) Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).

3 NA = Not applicable.

4 NR = Not Reviewed.

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

DHL Analytical, Inc.

Laboratory Review Checklist (continued): Supporting Data

Project Name: Rhodes Canyon

Date: 9/6/13

Reviewer Name: Carlos Castro

Laboratory Work Order: 1308230

# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
S1	OI	Initial Calibration (ICAL)					
		1) Were response factors and/or relative response factors for each analyte within QC limits?	X				
		2) Were percent RSDs or correlation coefficient criteria met?	X				
		3) Was the number of standards recommended in the method used for all analytes?	X				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		5) Are ICAL data available for all instruments used?	X				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X				S1-06
S2	OI	Initial and Continuing calibration Verification (ICCV and CCV) and Continuing Calibration blank (CCB)					
		1) Was the CCV analyzed at the method-required frequency?	X				
		2) Were percent differences for each analyte within the method-required QC limits?		X			S2-02
		3) Was the ICAL curve verified for each analyte?	X				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	Mass Spectral Tuning					
		1) Was the appropriate compound for the method used for tuning?	X				
		2) Were ion abundance data within the method-required QC limits?	X				
S4	O	Internal Standards (IS)					
		1) Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw Data (NELAC section 1 appendix A glossary, and section 5.12)					
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		2) Were data associated with manual integrations flagged on the raw data?	X				S5-02
S6	O	Dual Column Confirmation					
		1) Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively Identified Compounds (TICs)					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) Results					
		1) Were percent recoveries within method QC limits?	X				
S9	I	Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	Method Detection Limit (MDL) Studies					
		1) Was a MDL study performed for each reported analyte?	X				
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency Test Reports					
		1) Was the lab's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards Documentation					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/Analyte Identification Procedures					
		1) Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of Analyst Competency (DOC)					
		1) Was DOC conducted consistent with NELAC Chapter 5C?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/Validation Documentation for Methods (NELAC Chap 5)					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory Standard Operating Procedures (SOPs)					
		1) Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).

3 NA = Not applicable.

4 NR = Not Reviewed.

5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Data Package Signature Page

This data package consists of:

This signature page, the laboratory review checklist, and the following reportable data:

- R1 Field chain-of-custody documentation;
- R2 Sample identification cross-reference;
- R3 Test reports (analytical data sheets) for each environmental sample that includes:
 - a) Items consistent with NELAC 5.13
 - b) dilution factors,
 - c) preparation methods,
 - d) cleanup methods, and
 - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
 - a) Calculated recovery (%R), and
 - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
 - a) LCS spiking amounts,
 - b) Calculated %R for each analyte, and
 - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
 - a) Samples associated with the MS/MSD clearly identified,
 - b) MS/MSD spiking amounts,
 - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
 - d) Calculated %Rs and relative percent differences (RPDs), and
 - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
 - a) the amount of analyte measured in the duplicate,
 - b) the calculated RPD, and
 - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

John DuPont – General Manager

Scott Schroeder – Technical Director



Signature

09/09/13

Date

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Lab Order: 1308230

CASE NARRATIVE

This case narrative describes abnormalities and deviations that may affect the results and summarizes all known issues that need to be highlighted for the data user to assess the results. This case narrative and the report contents are compliant with DoD QSM Ver 4.2 and NELAC.

Samples were analyzed using the methods outlined in the following references:

Method SW6020A - Metals Analysis
Method M8015V - GRO Analysis
Method SW8260C - Volatile Organics
Method SW8270D - Semivolatiles Organics (Some compounds are not NELAC Certified)
Method E300 - Anions Analysis
Method M2320 B - Alkalinity Analysis
Method M4500-H+ B - pH of a Water
Method M240C - Total Dissolved Solids Analysis

Exception Report R1-01

The samples were received on and log-in performed on 8/22/13. A total of 5 samples were received and all were analyzed. The samples arrived in good condition and were properly packaged.

Exception Report R4-02

For Semivolatiles analysis performed on 9/4/13 the ICV (ICV-130904) was slightly below the method control limits for Phenol-d5. This is flagged accordingly in the QC summary report. The remaining surrogates were within method control limits. No further corrective action was taken.

Exception Report R5-04

For Semivolatiles analysis performed on 9/4/13 Benzoic acid was detected below the reporting limit for Method Blank-59182, this compound may be biased high in the associated samples. Additionally, Bis(2-ethylhexyl)phthalate was detected above the reporting limit for Method Blank-59182, due to laboratory artifact, this compound was nondetect in the associated samples. No further corrective action was taken.

Exception Report R7-03 and R7-04

For Semivolatiles analysis performed on 9/4/13 the matrix spike and matrix spike duplicate recoveries were out of outside of the method control limits for 2-Chloronaphthalene and Benzoic acid. In addition, the matrix spike and matrix spike duplicate had the RPD above control limits for a few

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Lab Order: 1308230

CASE NARRATIVE

compounds. These are flagged accordingly in the QC summary report. These compounds were within method control limits in the associated LCS. The reference sample selected for the matrix spike and matrix spike duplicate was not from this work order. No further corrective action was taken.

Exception Report S1-06

For Semivolatiles Analysis, the recoveries of three compounds for the Second Source Calibration Verification were above the method control limits. No further corrective action was taken.

For Semivolatiles Analysis, the standard used for Appendix IX compounds was outside of the expiration date. The standard was verified by analysis comparison to the second source calibration curve (SSCV). No further corrective action was taken.

Exception Report S2-02

For Semivolatiles Analysis, the recoveries of four compounds for the Initial Calibration Verification (ICV-130904) were below the method control limits specified in SW8270D (80-120% recovery). These are flagged accordingly in the QC summary report. The number of target analytes outside of the method control limits for the ICV are less than 20% of the total number of compounds being reported; this is allowed in SW8270D specifications. These compounds were within method control limits in the associated LCS. No further corrective action was taken.

Exception Report S5-02

For Semivolatiles Analysis, some samples and/or standards were manually integrated. Please refer to page 73 after the sequence report for the full list of samples, standards, and the compounds that were manually integrated.

A summary of project communication follows:

DHL Analytical received the Project RFQ from the client on 12/29/09. Completed RFQ returned to client via email on 1/07/2010. Purchase Order/Terms and Conditions received and signed and approved by both parties on 01/25/2010.

Brad Davis of Zia requested a bottle kit via email from Jennifer Barker of DHL on 7/26/2013.

DHL Bottle kit #4232 sent on 7/13/2013 via Lonestar Overnight, to arrive by 7/15/2013.

This sample delivery group arrived at DHL Analytical 8/22/13. Sample summary sent via email from Log-in to client on 8/22/13.

All hardcopies for the sample kit request, bill of lading for sample kit sent and login summary are kept in project folder or are filed in the project/Client folder as part of the Administrative records in the QA office.

CLIENT: Zia Engineering & Environmental
Project: Rhodes Canyon
Lab Order: 1308230

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1308230-01	RCRC-0114-RMW-005-0813		08/21/13 11:00 AM	8/22/2013
1308230-02	RCRC-0114-RMW-105-0813		08/21/13 11:00 AM	8/22/2013
1308230-03	RCRC-0114-RMW-006-0813		08/21/13 12:30 PM	8/22/2013
1308230-04	RCRC-0114-FB-001-0813		08/21/13 11:00 AM	8/22/2013
1308230-05	RCRC-0114-RMW-006-TB		08/21/13 12:30 PM	8/22/2013

Lab Order: 1308230
Client: Zia Engineering & Environmental
Project: Rhodes Canyon

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1308230-01A	RCRC-0114-RMW-005-0813	08/21/13 11:00 AM	Aqueous	SW5030C	Purge and Trap Water GC/MS	08/26/13 10:07 AM	59170
1308230-01B	RCRC-0114-RMW-005-0813	08/21/13 11:00 AM	Aqueous	SW5030C	Purge and Trap Water GC-Gas	08/28/13 08:39 AM	59217
1308230-01C	RCRC-0114-RMW-005-0813	08/21/13 11:00 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	08/27/13 08:43 AM	59186
1308230-01D	RCRC-0114-RMW-005-0813	08/21/13 11:00 AM	Aqueous	M2320 B	Alkalinity Preparation	08/22/13 12:15 PM	59125
	RCRC-0114-RMW-005-0813	08/21/13 11:00 AM	Aqueous	E300	Anion Preparation	08/22/13 12:00 PM	59115
	RCRC-0114-RMW-005-0813	08/21/13 11:00 AM	Aqueous	M4500-H+ B	pH Preparation	08/22/13 11:00 AM	59120
	RCRC-0114-RMW-005-0813	08/21/13 11:00 AM	Aqueous	M2540C	TDS Preparation	08/22/13 05:32 PM	59096
1308230-01E	RCRC-0114-RMW-005-0813	08/21/13 11:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	08/26/13 03:45 PM	59182
1308230-02A	RCRC-0114-RMW-105-0813	08/21/13 11:00 AM	Aqueous	SW5030C	Purge and Trap Water GC/MS	08/26/13 10:07 AM	59170
1308230-02B	RCRC-0114-RMW-105-0813	08/21/13 11:00 AM	Aqueous	SW5030C	Purge and Trap Water GC-Gas	08/28/13 08:39 AM	59217
1308230-02C	RCRC-0114-RMW-105-0813	08/21/13 11:00 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	08/27/13 08:43 AM	59186
1308230-02D	RCRC-0114-RMW-105-0813	08/21/13 11:00 AM	Aqueous	M2320 B	Alkalinity Preparation	08/22/13 12:15 PM	59125
	RCRC-0114-RMW-105-0813	08/21/13 11:00 AM	Aqueous	E300	Anion Preparation	08/22/13 12:00 PM	59115
	RCRC-0114-RMW-105-0813	08/21/13 11:00 AM	Aqueous	M4500-H+ B	pH Preparation	08/22/13 11:00 AM	59120
	RCRC-0114-RMW-105-0813	08/21/13 11:00 AM	Aqueous	M2540C	TDS Preparation	08/22/13 05:32 PM	59096
1308230-02E	RCRC-0114-RMW-105-0813	08/21/13 11:00 AM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	08/26/13 03:45 PM	59182
1308230-03A	RCRC-0114-RMW-006-0813	08/21/13 12:30 PM	Aqueous	SW5030C	Purge and Trap Water GC/MS	08/26/13 10:07 AM	59170
1308230-03B	RCRC-0114-RMW-006-0813	08/21/13 12:30 PM	Aqueous	SW5030C	Purge and Trap Water GC-Gas	08/28/13 08:39 AM	59217
1308230-03C	RCRC-0114-RMW-006-0813	08/21/13 12:30 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	08/27/13 08:43 AM	59186
1308230-03D	RCRC-0114-RMW-006-0813	08/21/13 12:30 PM	Aqueous	M2320 B	Alkalinity Preparation	08/22/13 12:15 PM	59125

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Client: Zia Engineering & Environmental
Project: Rhodes Canyon

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1308230-03D	RCRC-0114-RMW-006-0813	08/21/13 12:30 PM	Aqueous	E300	Anion Preparation	08/22/13 12:00 PM	59115
	RCRC-0114-RMW-006-0813	08/21/13 12:30 PM	Aqueous	M4500-H+ B	pH Preparation	08/22/13 11:00 AM	59120
	RCRC-0114-RMW-006-0813	08/21/13 12:30 PM	Aqueous	M2540C	TDS Preparation	08/22/13 05:32 PM	59096
1308230-03E	RCRC-0114-RMW-006-0813	08/21/13 12:30 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: BNA	08/26/13 03:45 PM	59182
1308230-04A	RCRC-0114-FB-001-0813	08/21/13 11:00 AM	Field Blank	SW5030C	Purge and Trap Water GC/MS	08/26/13 10:07 AM	59170
1308230-05A	RCRC-0114-RMW-006-TB	08/21/13 12:30 PM	Trip Blank	SW5030C	Purge and Trap Water GC/MS	08/26/13 10:07 AM	59170

Lab Order: 1308230
Client: Zia Engineering & Environmental
Project: Rhodes Canyon

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1308230-01A	RCRC-0114-RMW-005-0813	Aqueous	SW8260C	8260 Water Volatiles by GC/MS	59170	1	08/26/13 01:39 PM	GCMS5_130826A
1308230-01B	RCRC-0114-RMW-005-0813	Aqueous	M8015V	TPH Purgeable by GC - Water	59217	1	08/28/13 11:42 AM	GC4_130828A
1308230-01C	RCRC-0114-RMW-005-0813	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	59186	1	09/03/13 02:17 PM	ICP-MS3_130903A
1308230-01D	RCRC-0114-RMW-005-0813	Aqueous	M2320 B	Alkalinity	59125	1	08/22/13 12:27 PM	TITRATOR_130822B
	RCRC-0114-RMW-005-0813	Aqueous	E300	Anions by IC method - Water	59115	100	08/22/13 12:17 PM	IC2_130822A
	RCRC-0114-RMW-005-0813	Aqueous	M4500-H+ B	pH	59120	1	08/22/13 11:15 AM	TITRATOR_130822A
	RCRC-0114-RMW-005-0813	Aqueous	M2540C	Total Dissolved Solids	59096	1	08/22/13 05:32 PM	WC_130822C
1308230-01E	RCRC-0114-RMW-005-0813	Aqueous	SW8270D	Semivolatiles by GC/MS - Water	59182	1	09/04/13 02:38 PM	GCMS9_130904A
1308230-02A	RCRC-0114-RMW-105-0813	Aqueous	SW8260C	8260 Water Volatiles by GC/MS	59170	1	08/26/13 02:04 PM	GCMS5_130826A
1308230-02B	RCRC-0114-RMW-105-0813	Aqueous	M8015V	TPH Purgeable by GC - Water	59217	1	08/28/13 12:02 PM	GC4_130828A
1308230-02C	RCRC-0114-RMW-105-0813	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	59186	1	09/03/13 04:36 PM	ICP-MS3_130903A
1308230-02D	RCRC-0114-RMW-105-0813	Aqueous	M2320 B	Alkalinity	59125	1	08/22/13 12:37 PM	TITRATOR_130822B
	RCRC-0114-RMW-105-0813	Aqueous	E300	Anions by IC method - Water	59115	100	08/22/13 01:46 PM	IC2_130822A
	RCRC-0114-RMW-105-0813	Aqueous	M4500-H+ B	pH	59120	1	08/22/13 11:18 AM	TITRATOR_130822A
	RCRC-0114-RMW-105-0813	Aqueous	M2540C	Total Dissolved Solids	59096	1	08/22/13 05:32 PM	WC_130822C
1308230-02E	RCRC-0114-RMW-105-0813	Aqueous	SW8270D	Semivolatiles by GC/MS - Water	59182	1	09/04/13 03:01 PM	GCMS9_130904A
1308230-03A	RCRC-0114-RMW-006-0813	Aqueous	SW8260C	8260 Water Volatiles by GC/MS	59170	1	08/26/13 02:28 PM	GCMS5_130826A
1308230-03B	RCRC-0114-RMW-006-0813	Aqueous	M8015V	TPH Purgeable by GC - Water	59217	1	08/28/13 12:22 PM	GC4_130828A
1308230-03C	RCRC-0114-RMW-006-0813	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	59186	1	09/03/13 04:42 PM	ICP-MS3_130903A
1308230-03D	RCRC-0114-RMW-006-0813	Aqueous	M2320 B	Alkalinity	59125	1	08/22/13 12:42 PM	TITRATOR_130822B

Lab Order: 1308230
Client: Zia Engineering & Environmental
Project: Rhodes Canyon

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1308230-03D	RCRC-0114-RMW-006-0813	Aqueous	E300	Anions by IC method - Water	59115	100	08/22/13 02:00 PM	IC2_130822A
	RCRC-0114-RMW-006-0813	Aqueous	M4500-H+ B	pH	59120	1	08/22/13 11:19 AM	TITRATOR_130822A
	RCRC-0114-RMW-006-0813	Aqueous	M2540C	Total Dissolved Solids	59096	1	08/22/13 05:32 PM	WC_130822C
1308230-03E	RCRC-0114-RMW-006-0813	Aqueous	SW8270D	Semivolatiles by GC/MS - Water	59182	1	09/04/13 03:24 PM	GCMS9_130904A
1308230-04A	RCRC-0114-FB-001-0813	Field Blank	SW8260C	8260 Water Volatiles by GC/MS	59170	1	08/26/13 02:53 PM	GCMS5_130826A
1308230-05A	RCRC-0114-RMW-006-TB	Trip Blank	SW8260C	8260 Water Volatiles by GC/MS	59170	1	08/26/13 12:49 PM	GCMS5_130826A

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	RCRC-0114-RMW-005-0813
Project:	Rhodes Canyon	Lab ID:	1308230-01
Project No:	Collection Date: 08/21/13 11:00 AM		
Lab Order:	Matrix: AQUEOUS		

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH PURGEABLE BY GC - WATER							
Gasoline Range Organics	<0.0600	0.0600	0.100		mg/L	1	08/28/13 11:42 AM
Surr: Tetrachlorethane	107	0	74-138		%REC	1	08/28/13 11:42 AM
TRACE METALS: ICP-MS - WATER							
Lead	0.000453	0.000300	0.00100	J	mg/L	1	09/03/13 02:17 PM
SEMIVOLATILES BY GC/MS - WATER							
1,2,4,5-Tetrachlorobenzene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
1,2-Diphenylhydrazine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
1-Chloronaphthalene	<0.000200	0.000200	0.000800	N	mg/L	1	09/04/13 02:38 PM
1-Methylnaphthalene	<0.000200	0.000200	0.000800	N	mg/L	1	09/04/13 02:38 PM
1-Naphthylamine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
2,4,5-Trichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
2,4,6-Trichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
2,4-Dichlorophenol	0.000380	0.000200	0.000800	J	mg/L	1	09/04/13 02:38 PM
2,4-Dimethylphenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
2,4-Dinitrophenol	<0.00100	0.00100	0.00400		mg/L	1	09/04/13 02:38 PM
2,4-Dinitrotoluene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
2,6-Dichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
2,6-Dinitrotoluene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
2-Chloronaphthalene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
2-Chlorophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
2-Methylnaphthalene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
2-Methylphenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
2-Naphthylamine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
2-Nitroaniline	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
2-Nitrophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
2-Picoline	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
3,3'-Dichlorobenzidine	<0.00100	0.00100	0.00400		mg/L	1	09/04/13 02:38 PM
3-Methylcholanthrene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
3-Nitroaniline	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
4,6-Dinitro-2-methylphenol	<0.000600	0.000600	0.00200		mg/L	1	09/04/13 02:38 PM
4-Aminobiphenyl	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
4-Bromophenyl phenyl ether	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
4-Chloro-3-methylphenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
4-Chloroaniline	<0.000600	0.000600	0.00200		mg/L	1	09/04/13 02:38 PM
4-Chlorophenyl phenyl ether	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
4-Methylphenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
4-Nitroaniline	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM

Qualifiers:

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- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	RCRC-0114-RMW-005-0813
Project:	Rhodes Canyon	Lab ID:	1308230-01
Project No:	Collection Date: 08/21/13 11:00 AM		
Lab Order:	Matrix: AQUEOUS		

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - WATER							
		SW8270D					Analyst: KL
4-Nitrophenol	<0.00100	0.00100	0.00400		mg/L	1	09/04/13 02:38 PM
7,12-Dimethylbenz(a)anthracene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Acenaphthene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Acenaphthylene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Acetophenone	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Aniline	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Anthracene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Benzidine	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 02:38 PM
Benzo[a]anthracene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Benzo[a]pyrene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Benzo[b]fluoranthene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Benzo[g,h,i]perylene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Benzo[k]fluoranthene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Benzoic acid	0.00814	0.00200	0.00600		mg/L	1	09/04/13 02:38 PM
Benzyl alcohol	<0.000600	0.000600	0.00200		mg/L	1	09/04/13 02:38 PM
Biphenyl	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Bis(2-chloroethoxy)methane	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Bis(2-chloroethyl)ether	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Bis(2-chloroisopropyl)ether	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Bis(2-ethylhexyl)phthalate	<0.00100	0.00100	0.00300		mg/L	1	09/04/13 02:38 PM
Butyl benzyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 02:38 PM
Carbazole	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Chrysene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Dibenz(a,j)acridine	<0.00100	0.00100	0.00400	N	mg/L	1	09/04/13 02:38 PM
Dibenz[a,h]anthracene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Dibenzofuran	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Diethyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 02:38 PM
Dimethyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 02:38 PM
Dimethylphenethylamine	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 02:38 PM
Di-n-butyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 02:38 PM
Di-n-octyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 02:38 PM
Diphenylamine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Ethyl methanesulfonate	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Fluoranthene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Fluorene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Hexachlorobenzene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Hexachlorobutadiene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Hexachlorocyclopentadiene	<0.000600	0.000600	0.00200		mg/L	1	09/04/13 02:38 PM

Qualifiers:

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- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	RCRC-0114-RMW-005-0813
Project:	Rhodes Canyon	Lab ID:	1308230-01
Project No:	Collection Date: 08/21/13 11:00 AM		
Lab Order:	Matrix: AQUEOUS		

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - WATER							
				SW8270D			Analyst: KL
Hexachloroethane	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Indeno[1,2,3-cd]pyrene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Isophorone	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Methyl methanesulfonate	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Naphthalene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Nitrobenzene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
N-Nitrosodimethylamine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
N-Nitrosodi-n-propylamine	<0.000100	0.000100	0.000800		mg/L	1	09/04/13 02:38 PM
N-Nitrosodiphenylamine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
N-Nitrosopiperidine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
p-Dimethylaminoazobenzene	<0.000200	0.000200	0.000800	N	mg/L	1	09/04/13 02:38 PM
Pentachlorobenzene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Pentachloronitrobenzene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Pentachlorophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Phenacetin	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Phenanthrene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Phenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Pronamide	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Pyrene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 02:38 PM
Pyridine	<0.000800	0.000800	0.00200		mg/L	1	09/04/13 02:38 PM
Surr: 2,4,6-Tribromophenol	94.5	0	42-124	%REC		1	09/04/13 02:38 PM
Surr: 2-Fluorobiphenyl	97.5	0	50-110	%REC		1	09/04/13 02:38 PM
Surr: 2-Fluorophenol	76.8	0	20-110	%REC		1	09/04/13 02:38 PM
Surr: 4-Terphenyl-d14	98.8	0	51-135	%REC		1	09/04/13 02:38 PM
Surr: Nitrobenzene-d5	100	0	41-110	%REC		1	09/04/13 02:38 PM
Surr: Phenol-d5	48.0	0	20-115	%REC		1	09/04/13 02:38 PM
8260 WATER VOLATILES BY GC/MS							
				SW8260C			Analyst: DEW
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
1,2,3-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 01:39 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM
1,2,4-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 01:39 PM
1,2,4-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 01:39 PM

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- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	RCRC-0114-RMW-005-0813
Project:	Rhodes Canyon	Lab ID:	1308230-01
Project No:	Collection Date: 08/21/13 11:00 AM		
Lab Order:	Matrix: AQUEOUS		

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS							
				SW8260C			Analyst: DEW
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	08/26/13 01:39 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
1,3,5-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 01:39 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
1,4-Dichloro-2-butene	<0.00200	0.00200	0.00200		mg/L	1	08/26/13 01:39 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 01:39 PM
2-Chloroethylvinylether	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 01:39 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 01:39 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 01:39 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 01:39 PM
Acrylonitrile	<0.00100	0.00100	0.00300		mg/L	1	08/26/13 01:39 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 01:39 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 01:39 PM

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ND Not Detected at the Method Detection Limit
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DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID: RCRC-0114-RMW-005-0813											
Project:	Rhodes Canyon	Lab ID: 1308230-01											
Project No:	Collection Date: 08/21/13 11:00 AM												
Lab Order:	Matrix: AQUEOUS												
Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed						
8260 WATER VOLATILES BY GC/MS		SW8260C					Analyst: DEW						
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM						
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 01:39 PM						
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM						
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	08/26/13 01:39 PM						
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM						
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM						
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM						
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM						
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM						
Styrene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM						
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 01:39 PM						
Tetrachloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 01:39 PM						
Toluene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 01:39 PM						
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM						
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM						
Trichloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 01:39 PM						
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 01:39 PM						
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	08/26/13 01:39 PM						
Surr: 1,2-Dichloroethane-d4	109	0	70-120		%REC	1	08/26/13 01:39 PM						
Surr: 4-Bromofluorobenzene	107	0	75-120		%REC	1	08/26/13 01:39 PM						
Surr: Dibromofluoromethane	113	0	85-115		%REC	1	08/26/13 01:39 PM						
Surr: Toluene-d8	97.9	0	85-120		%REC	1	08/26/13 01:39 PM						
ANIONS BY IC METHOD - WATER		E300					Analyst: JBC						
Sulfate	2540	100	300		mg/L	100	08/22/13 12:17 PM						
ALKALINITY		M2320 B					Analyst: JBC						
Alkalinity, Bicarbonate (As CaCO ₃)	171	12.5	25.0		mg/L @ pH 4.52	1	08/22/13 12:27 PM						
Alkalinity, Carbonate (As CaCO ₃)	<12.5	12.5	25.0		mg/L @ pH 4.52	1	08/22/13 12:27 PM						
Alkalinity, Hydroxide (As CaCO ₃)	<12.5	12.5	25.0		mg/L @ pH 4.52	1	08/22/13 12:27 PM						
Alkalinity, Total (As CaCO ₃)	171	12.5	25.0		mg/L @ pH 4.52	1	08/22/13 12:27 PM						
pH		M4500-H+ B					Analyst: JBC						
pH	7.10	0	0		pH Units@16.4°C	1	08/22/13 11:15 AM						
TOTAL DISSOLVED SOLIDS		M2540C					Analyst: JCG						
Total Dissolved Solids (Residue, Filterable)	7740	50.0	50.0		mg/L	1	08/22/13 05:32 PM						

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit		ND	Not Detected at the Method Detection Limit
RL	Reporting Limit		S	Spike Recovery outside control limits
N	Parameter not NELAC certified			

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	RCRC-0114-RMW-105-0813
Project:	Rhodes Canyon	Lab ID:	1308230-02
Project No:	Collection Date: 08/21/13 11:00 AM		
Lab Order:	Matrix: AQUEOUS		

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH PURGEABLE BY GC - WATER							
Gasoline Range Organics	<0.0600	0.0600	0.100		mg/L	1	08/28/13 12:02 PM
Surr: Tetrachlorethane	108	0	74-138		%REC	1	08/28/13 12:02 PM
TRACE METALS: ICP-MS - WATER							
Lead	<0.000300	0.000300	0.00100		mg/L	1	09/03/13 04:36 PM
SEMIVOLATILES BY GC/MS - WATER							
1,2,4,5-Tetrachlorobenzene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
1,2-Diphenylhydrazine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
1-Chloronaphthalene	<0.000200	0.000200	0.000800	N	mg/L	1	09/04/13 03:01 PM
1-Methylnaphthalene	<0.000200	0.000200	0.000800	N	mg/L	1	09/04/13 03:01 PM
1-Naphthylamine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
2,4,5-Trichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
2,4,6-Trichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
2,4-Dichlorophenol	0.000360	0.000200	0.000800	J	mg/L	1	09/04/13 03:01 PM
2,4-Dimethylphenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
2,4-Dinitrophenol	<0.00100	0.00100	0.00400		mg/L	1	09/04/13 03:01 PM
2,4-Dinitrotoluene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
2,6-Dichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
2,6-Dinitrotoluene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
2-Chloronaphthalene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
2-Chlorophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
2-Methylnaphthalene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
2-Methylphenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
2-Naphthylamine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
2-Nitroaniline	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
2-Nitrophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
2-Picoline	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
3,3'-Dichlorobenzidine	<0.00100	0.00100	0.00400		mg/L	1	09/04/13 03:01 PM
3-Methylcholanthrene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
3-Nitroaniline	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
4,6-Dinitro-2-methylphenol	<0.000600	0.000600	0.00200		mg/L	1	09/04/13 03:01 PM
4-Aminobiphenyl	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
4-Bromophenyl phenyl ether	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
4-Chloro-3-methylphenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
4-Chloroaniline	<0.000600	0.000600	0.00200		mg/L	1	09/04/13 03:01 PM
4-Chlorophenyl phenyl ether	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
4-Methylphenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
4-Nitroaniline	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	RCRC-0114-RMW-105-0813
Project:	Rhodes Canyon	Lab ID:	1308230-02
Project No:	Collection Date: 08/21/13 11:00 AM		
Lab Order:	Matrix: AQUEOUS		

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - WATER							
		SW8270D					Analyst: KL
4-Nitrophenol	<0.00100	0.00100	0.00400		mg/L	1	09/04/13 03:01 PM
7,12-Dimethylbenz(a)anthracene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Acenaphthene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Acenaphthylene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Acetophenone	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Aniline	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Anthracene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Benzidine	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 03:01 PM
Benzo[a]anthracene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Benzo[a]pyrene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Benzo[b]fluoranthene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Benzo[g,h,i]perylene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Benzo[k]fluoranthene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Benzoic acid	0.00770	0.00200	0.00600		mg/L	1	09/04/13 03:01 PM
Benzyl alcohol	<0.000600	0.000600	0.00200		mg/L	1	09/04/13 03:01 PM
Biphenyl	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Bis(2-chloroethoxy)methane	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Bis(2-chloroethyl)ether	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Bis(2-chloroisopropyl)ether	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Bis(2-ethylhexyl)phthalate	<0.00100	0.00100	0.00300		mg/L	1	09/04/13 03:01 PM
Butyl benzyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 03:01 PM
Carbazole	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Chrysene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Dibenz(a,j)acridine	<0.00100	0.00100	0.00400	N	mg/L	1	09/04/13 03:01 PM
Dibenz[a,h]anthracene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Dibenzofuran	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Diethyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 03:01 PM
Dimethyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 03:01 PM
Dimethylphenethylamine	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 03:01 PM
Di-n-butyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 03:01 PM
Di-n-octyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 03:01 PM
Diphenylamine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Ethyl methanesulfonate	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Fluoranthene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Fluorene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Hexachlorobenzene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Hexachlorobutadiene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Hexachlorocyclopentadiene	<0.000600	0.000600	0.00200		mg/L	1	09/04/13 03:01 PM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	RCRC-0114-RMW-105-0813
Project:	Rhodes Canyon	Lab ID:	1308230-02
Project No:	Collection Date: 08/21/13 11:00 AM		
Lab Order:	Matrix: AQUEOUS		

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - WATER							
				SW8270D			Analyst: KL
Hexachloroethane	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Indeno[1,2,3-cd]pyrene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Isophorone	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Methyl methanesulfonate	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Naphthalene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Nitrobenzene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
N-Nitrosodimethylamine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
N-Nitrosodi-n-propylamine	<0.000100	0.000100	0.000800		mg/L	1	09/04/13 03:01 PM
N-Nitrosodiphenylamine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
N-Nitrosopiperidine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
p-Dimethylaminoazobenzene	<0.000200	0.000200	0.000800	N	mg/L	1	09/04/13 03:01 PM
Pentachlorobenzene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Pentachloronitrobenzene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Pentachlorophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Phenacetin	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Phenanthrene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Phenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Pronamide	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Pyrene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:01 PM
Pyridine	<0.000800	0.000800	0.00200		mg/L	1	09/04/13 03:01 PM
Surr: 2,4,6-Tribromophenol	91.2	0	42-124	%REC		1	09/04/13 03:01 PM
Surr: 2-Fluorobiphenyl	93.5	0	50-110	%REC		1	09/04/13 03:01 PM
Surr: 2-Fluorophenol	72.5	0	20-110	%REC		1	09/04/13 03:01 PM
Surr: 4-Terphenyl-d14	95.5	0	51-135	%REC		1	09/04/13 03:01 PM
Surr: Nitrobenzene-d5	94.5	0	41-110	%REC		1	09/04/13 03:01 PM
Surr: Phenol-d5	45.2	0	20-115	%REC		1	09/04/13 03:01 PM
8260 WATER VOLATILES BY GC/MS							
				SW8260C			Analyst: DEW
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
1,2,3-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 02:04 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM
1,2,4-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 02:04 PM
1,2,4-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 02:04 PM

Qualifiers: * Value exceeds TCLP Maximum Concentration Level
 C Sample Result or QC discussed in the Case Narrative
 E TPH pattern not Gas or Diesel Range Pattern
 MDL Method Detection Limit
 RL Reporting Limit
 N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
 DF Dilution Factor
 J Analyte detected between MDL and RL
 ND Not Detected at the Method Detection Limit
 S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	RCRC-0114-RMW-105-0813
Project:	Rhodes Canyon	Lab ID:	1308230-02
Project No:	Collection Date: 08/21/13 11:00 AM		
Lab Order:	Matrix: AQUEOUS		

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS							
				SW8260C			Analyst: DEW
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	08/26/13 02:04 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
1,3,5-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 02:04 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
1,4-Dichloro-2-butene	<0.00200	0.00200	0.00200		mg/L	1	08/26/13 02:04 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:04 PM
2-Chloroethylvinylether	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:04 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:04 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:04 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:04 PM
Acrylonitrile	<0.00100	0.00100	0.00300		mg/L	1	08/26/13 02:04 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:04 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:04 PM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID: RCRC-0114-RMW-105-0813											
Project:	Rhodes Canyon	Lab ID: 1308230-02											
Project No:	Collection Date: 08/21/13 11:00 AM												
Lab Order:	Matrix: AQUEOUS												
Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed						
8260 WATER VOLATILES BY GC/MS		SW8260C				Analyst: DEW							
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM						
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 02:04 PM						
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM						
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	08/26/13 02:04 PM						
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM						
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM						
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM						
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM						
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM						
Styrene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM						
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:04 PM						
Tetrachloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 02:04 PM						
Toluene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 02:04 PM						
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM						
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM						
Trichloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 02:04 PM						
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:04 PM						
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	08/26/13 02:04 PM						
Surr: 1,2-Dichloroethane-d4	109	0	70-120		%REC	1	08/26/13 02:04 PM						
Surr: 4-Bromofluorobenzene	107	0	75-120		%REC	1	08/26/13 02:04 PM						
Surr: Dibromofluoromethane	108	0	85-115		%REC	1	08/26/13 02:04 PM						
Surr: Toluene-d8	97.3	0	85-120		%REC	1	08/26/13 02:04 PM						
ANIONS BY IC METHOD - WATER		E300				Analyst: JBC							
Sulfate	2520	100	300		mg/L	100	08/22/13 01:46 PM						
ALKALINITY		M2320 B				Analyst: JBC							
Alkalinity, Bicarbonate (As CaCO ₃)	170	12.5	25.0		mg/L @ pH 4.52	1	08/22/13 12:37 PM						
Alkalinity, Carbonate (As CaCO ₃)	<12.5	12.5	25.0		mg/L @ pH 4.52	1	08/22/13 12:37 PM						
Alkalinity, Hydroxide (As CaCO ₃)	<12.5	12.5	25.0		mg/L @ pH 4.52	1	08/22/13 12:37 PM						
Alkalinity, Total (As CaCO ₃)	170	12.5	25.0		mg/L @ pH 4.52	1	08/22/13 12:37 PM						
pH		M4500-H+ B				Analyst: JBC							
pH	7.03	0	0		pH Units@17°C	1	08/22/13 11:18 AM						
TOTAL DISSOLVED SOLIDS		M2540C				Analyst: JCG							
Total Dissolved Solids (Residue, Filterable)	8080	50.0	50.0		mg/L	1	08/22/13 05:32 PM						

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit		ND	Not Detected at the Method Detection Limit
RL	Reporting Limit		S	Spike Recovery outside control limits
N	Parameter not NELAC certified			

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	RCRC-0114-RMW-006-0813
Project:	Rhodes Canyon	Lab ID:	1308230-03
Project No:	Collection Date: 08/21/13 12:30 PM		
Lab Order:	Matrix: AQUEOUS		

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH PURGEABLE BY GC - WATER							
Gasoline Range Organics	<0.0600	0.0600	0.100		mg/L	1	08/28/13 12:22 PM
Surr: Tetrachlorethane	110	0	74-138		%REC	1	08/28/13 12:22 PM
TRACE METALS: ICP-MS - WATER							
Lead	<0.000300	0.000300	0.00100		mg/L	1	09/03/13 04:42 PM
SEMIVOLATILES BY GC/MS - WATER							
1,2,4,5-Tetrachlorobenzene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
1,2-Diphenylhydrazine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
1-Chloronaphthalene	<0.000200	0.000200	0.000800	N	mg/L	1	09/04/13 03:24 PM
1-Methylnaphthalene	<0.000200	0.000200	0.000800	N	mg/L	1	09/04/13 03:24 PM
1-Naphthylamine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
2,4,5-Trichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
2,4,6-Trichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
2,4-Dichlorophenol	0.000400	0.000200	0.000800	J	mg/L	1	09/04/13 03:24 PM
2,4-Dimethylphenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
2,4-Dinitrophenol	<0.00100	0.00100	0.00400		mg/L	1	09/04/13 03:24 PM
2,4-Dinitrotoluene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
2,6-Dichlorophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
2,6-Dinitrotoluene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
2-Chloronaphthalene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
2-Chlorophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
2-Methylnaphthalene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
2-Methylphenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
2-Naphthylamine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
2-Nitroaniline	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
2-Nitrophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
2-Picoline	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
3,3'-Dichlorobenzidine	<0.00100	0.00100	0.00400		mg/L	1	09/04/13 03:24 PM
3-Methylcholanthrene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
3-Nitroaniline	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
4,6-Dinitro-2-methylphenol	<0.000600	0.000600	0.00200		mg/L	1	09/04/13 03:24 PM
4-Aminobiphenyl	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
4-Bromophenyl phenyl ether	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
4-Chloro-3-methylphenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
4-Chloroaniline	<0.000600	0.000600	0.00200		mg/L	1	09/04/13 03:24 PM
4-Chlorophenyl phenyl ether	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
4-Methylphenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
4-Nitroaniline	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit		ND	Not Detected at the Method Detection Limit
RL	Reporting Limit		S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	RCRC-0114-RMW-006-0813
Project:	Rhodes Canyon	Lab ID:	1308230-03
Project No:	Collection Date: 08/21/13 12:30 PM		
Lab Order:	Matrix: AQUEOUS		

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - WATER							
		SW8270D					Analyst: KL
4-Nitrophenol	<0.00100	0.00100	0.00400		mg/L	1	09/04/13 03:24 PM
7,12-Dimethylbenz(a)anthracene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Acenaphthene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Acenaphthylene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Acetophenone	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Aniline	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Anthracene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Benzidine	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 03:24 PM
Benzo[a]anthracene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Benzo[a]pyrene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Benzo[b]fluoranthene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Benzo[g,h,i]perylene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Benzo[k]fluoranthene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Benzoic acid	0.00352	0.00200	0.00600	J	mg/L	1	09/04/13 03:24 PM
Benzyl alcohol	<0.000600	0.000600	0.00200		mg/L	1	09/04/13 03:24 PM
Biphenyl	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Bis(2-chloroethoxy)methane	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Bis(2-chloroethyl)ether	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Bis(2-chloroisopropyl)ether	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Bis(2-ethylhexyl)phthalate	<0.00100	0.00100	0.00300		mg/L	1	09/04/13 03:24 PM
Butyl benzyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 03:24 PM
Carbazole	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Chrysene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Dibenz(a,j)acridine	<0.00100	0.00100	0.00400	N	mg/L	1	09/04/13 03:24 PM
Dibenz[a,h]anthracene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Dibenzofuran	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Diethyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 03:24 PM
Dimethyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 03:24 PM
Dimethylphenethylamine	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 03:24 PM
Di-n-butyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 03:24 PM
Di-n-octyl phthalate	<0.00200	0.00200	0.00600		mg/L	1	09/04/13 03:24 PM
Diphenylamine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Ethyl methanesulfonate	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Fluoranthene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Fluorene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Hexachlorobenzene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Hexachlorobutadiene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Hexachlorocyclopentadiene	<0.000600	0.000600	0.00200		mg/L	1	09/04/13 03:24 PM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	RCRC-0114-RMW-006-0813
Project:	Rhodes Canyon	Lab ID:	1308230-03
Project No:	Collection Date: 08/21/13 12:30 PM		
Lab Order:	Matrix: AQUEOUS		

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILES BY GC/MS - WATER							
				SW8270D			Analyst: KL
Hexachloroethane	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Indeno[1,2,3-cd]pyrene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Isophorone	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Methyl methanesulfonate	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Naphthalene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Nitrobenzene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
N-Nitrosodimethylamine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
N-Nitrosodi-n-propylamine	<0.000100	0.000100	0.000800		mg/L	1	09/04/13 03:24 PM
N-Nitrosodiphenylamine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
N-Nitrosopiperidine	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
p-Dimethylaminoazobenzene	<0.000200	0.000200	0.000800	N	mg/L	1	09/04/13 03:24 PM
Pentachlorobenzene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Pentachloronitrobenzene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Pentachlorophenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Phenacetin	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Phenanthrene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Phenol	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Pronamide	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Pyrene	<0.000200	0.000200	0.000800		mg/L	1	09/04/13 03:24 PM
Pyridine	<0.000800	0.000800	0.00200		mg/L	1	09/04/13 03:24 PM
Surr: 2,4,6-Tribromophenol	85.5	0	42-124	%REC		1	09/04/13 03:24 PM
Surr: 2-Fluorobiphenyl	88.2	0	50-110	%REC		1	09/04/13 03:24 PM
Surr: 2-Fluorophenol	64.5	0	20-110	%REC		1	09/04/13 03:24 PM
Surr: 4-Terphenyl-d14	91.8	0	51-135	%REC		1	09/04/13 03:24 PM
Surr: Nitrobenzene-d5	88.8	0	41-110	%REC		1	09/04/13 03:24 PM
Surr: Phenol-d5	40.8	0	20-115	%REC		1	09/04/13 03:24 PM
8260 WATER VOLATILES BY GC/MS							
				SW8260C			Analyst: DEW
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
1,2,3-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 02:28 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM
1,2,4-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 02:28 PM
1,2,4-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 02:28 PM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	RCRC-0114-RMW-006-0813
Project:	Rhodes Canyon	Lab ID:	1308230-03
Project No:	Collection Date: 08/21/13 12:30 PM		
Lab Order:	Matrix: AQUEOUS		

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS							
				SW8260C			Analyst: DEW
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	08/26/13 02:28 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
1,3,5-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 02:28 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
1,4-Dichloro-2-butene	<0.00200	0.00200	0.00200		mg/L	1	08/26/13 02:28 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:28 PM
2-Chloroethylvinylether	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:28 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:28 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:28 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:28 PM
Acrylonitrile	<0.00100	0.00100	0.00300		mg/L	1	08/26/13 02:28 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:28 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:28 PM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID: RCRC-0114-RMW-006-0813											
Project:	Rhodes Canyon	Lab ID: 1308230-03											
Project No:	Collection Date: 08/21/13 12:30 PM												
Lab Order:	Matrix: AQUEOUS												
Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed						
8260 WATER VOLATILES BY GC/MS		SW8260C				Analyst: DEW							
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM						
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 02:28 PM						
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM						
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	08/26/13 02:28 PM						
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM						
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM						
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM						
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM						
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM						
Styrene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM						
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:28 PM						
Tetrachloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 02:28 PM						
Toluene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 02:28 PM						
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM						
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM						
Trichloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 02:28 PM						
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:28 PM						
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	08/26/13 02:28 PM						
Surr: 1,2-Dichloroethane-d4	109	0	70-120		%REC	1	08/26/13 02:28 PM						
Surr: 4-Bromofluorobenzene	106	0	75-120		%REC	1	08/26/13 02:28 PM						
Surr: Dibromofluoromethane	108	0	85-115		%REC	1	08/26/13 02:28 PM						
Surr: Toluene-d8	98.1	0	85-120		%REC	1	08/26/13 02:28 PM						
ANIONS BY IC METHOD - WATER		E300				Analyst: JBC							
Sulfate	1340	100	300		mg/L	100	08/22/13 02:00 PM						
ALKALINITY		M2320 B				Analyst: JBC							
Alkalinity, Bicarbonate (As CaCO ₃)	169	12.5	25.0		mg/L @ pH 4.52	1	08/22/13 12:42 PM						
Alkalinity, Carbonate (As CaCO ₃)	<12.5	12.5	25.0		mg/L @ pH 4.52	1	08/22/13 12:42 PM						
Alkalinity, Hydroxide (As CaCO ₃)	<12.5	12.5	25.0		mg/L @ pH 4.52	1	08/22/13 12:42 PM						
Alkalinity, Total (As CaCO ₃)	169	12.5	25.0		mg/L @ pH 4.52	1	08/22/13 12:42 PM						
pH		M4500-H+ B				Analyst: JBC							
pH	7.00	0	0		pH Units@16.1°C	1	08/22/13 11:19 AM						
TOTAL DISSOLVED SOLIDS		M2540C				Analyst: JCG							
Total Dissolved Solids (Residue, Filterable)	6730	50.0	50.0		mg/L	1	08/22/13 05:32 PM						

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit		ND	Not Detected at the Method Detection Limit
RL	Reporting Limit		S	Spike Recovery outside control limits
N	Parameter not NELAC certified			

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	RCRC-0114-FB-001-0813
Project:	Rhodes Canyon	Lab ID:	1308230-04
Project No:	Collection Date: 08/21/13 11:00 AM		
Lab Order:	Matrix: FIELD BLANK		

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS							
				SW8260C			Analyst: DEW
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
1,2,3-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 02:53 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
1,2,4-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 02:53 PM
1,2,4-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 02:53 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	08/26/13 02:53 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
1,3,5-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 02:53 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
1,4-Dichloro-2-butene	<0.00200	0.00200	0.00200		mg/L	1	08/26/13 02:53 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:53 PM
2-Chloroethylvinylether	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:53 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:53 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:53 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:53 PM
Acrylonitrile	<0.00100	0.00100	0.00300		mg/L	1	08/26/13 02:53 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:53 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	RCRC-0114-FB-001-0813
Project:	Rhodes Canyon	Lab ID:	1308230-04
Project No:	Collection Date: 08/21/13 11:00 AM		
Lab Order:	Matrix: FIELD BLANK		

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS							
				SW8260C			Analyst: DEW
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 02:53 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 02:53 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	08/26/13 02:53 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 02:53 PM
Tetrachloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 02:53 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 02:53 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
Trichloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 02:53 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 02:53 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	08/26/13 02:53 PM
Surr: 1,2-Dichloroethane-d4	108	0	70-120	%REC		1	08/26/13 02:53 PM
Surr: 4-Bromofluorobenzene	105	0	75-120	%REC		1	08/26/13 02:53 PM
Surr: Dibromofluoromethane	108	0	85-115	%REC		1	08/26/13 02:53 PM
Surr: Toluene-d8	98.6	0	85-120	%REC		1	08/26/13 02:53 PM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	RCRC-0114-RMW-006-TB
Project:	Rhodes Canyon	Lab ID:	1308230-05
Project No:	Collection Date: 08/21/13 12:30 PM		
Lab Order:	Matrix: TRIP BLANK		

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS							
				SW8260C			Analyst: DEW
1,1,1,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
1,1,1-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
1,1,2,2-Tetrachloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
1,1,2-Trichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
1,1-Dichloroethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
1,1-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
1,1-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
1,2,3-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 12:49 PM
1,2,3-Trichloropropane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
1,2,4-Trichlorobenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 12:49 PM
1,2,4-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 12:49 PM
1,2-Dibromo-3-chloropropane	<0.00300	0.00300	0.0100		mg/L	1	08/26/13 12:49 PM
1,2-Dibromoethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
1,2-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
1,2-Dichloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
1,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
1,3,5-Trimethylbenzene	<0.00150	0.00150	0.00500		mg/L	1	08/26/13 12:49 PM
1,3-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
1,3-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
1,4-Dichloro-2-butene	<0.00200	0.00200	0.00200		mg/L	1	08/26/13 12:49 PM
1,4-Dichlorobenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
2,2-Dichloropropane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
2-Butanone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 12:49 PM
2-Chloroethylvinylether	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 12:49 PM
2-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
2-Hexanone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 12:49 PM
4-Chlorotoluene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
4-Methyl-2-pentanone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 12:49 PM
Acetone	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 12:49 PM
Acrylonitrile	<0.00100	0.00100	0.00300		mg/L	1	08/26/13 12:49 PM
Benzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
Bromobenzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
Bromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
Bromodichloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
Bromoform	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
Bromomethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
Carbon disulfide	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 12:49 PM
Carbon tetrachloride	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

DHL Analytical, Inc.

Date: 06-Sep-13

CLIENT:	Zia Engineering & Environmental	Client Sample ID:	RCRC-0114-RMW-006-TB
Project:	Rhodes Canyon	Lab ID:	1308230-05
Project No:	Collection Date: 08/21/13 12:30 PM		
Lab Order:	Matrix: TRIP BLANK		

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
8260 WATER VOLATILES BY GC/MS							
				SW8260C			Analyst: DEW
Chlorobenzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
Chloroethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
Chloroform	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
Chloromethane	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
cis-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
cis-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
Dibromochloromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
Dibromomethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
Dichlorodifluoromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
Ethylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
Iodomethane	<0.00500	0.00500	0.0150		mg/L	1	08/26/13 12:49 PM
Isopropylbenzene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
m,p-Xylene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 12:49 PM
Methyl tert-butyl ether	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
Methylene chloride	<0.00250	0.00250	0.00250		mg/L	1	08/26/13 12:49 PM
n-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
n-Propylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
o-Xylene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
p-Isopropyltoluene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
sec-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
Styrene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
tert-Butylbenzene	<0.000300	0.000300	0.00100		mg/L	1	08/26/13 12:49 PM
Tetrachloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 12:49 PM
Toluene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 12:49 PM
trans-1,2-Dichloroethene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
trans-1,3-Dichloropropene	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
Trichloroethene	<0.000600	0.000600	0.00200		mg/L	1	08/26/13 12:49 PM
Trichlorofluoromethane	<0.000200	0.000200	0.00100		mg/L	1	08/26/13 12:49 PM
Vinyl chloride	<0.000100	0.000100	0.00100		mg/L	1	08/26/13 12:49 PM
Surr: 1,2-Dichloroethane-d4	109	0	70-120	%REC		1	08/26/13 12:49 PM
Surr: 4-Bromofluorobenzene	106	0	75-120	%REC		1	08/26/13 12:49 PM
Surr: Dibromofluoromethane	111	0	85-115	%REC		1	08/26/13 12:49 PM
Surr: Toluene-d8	99.1	0	85-120	%REC		1	08/26/13 12:49 PM

Qualifiers:

- * Value exceeds TCLP Maximum Concentration Level
- C Sample Result or QC discussed in the Case Narrative
- E TPH pattern not Gas or Diesel Range Pattern
- MDL Method Detection Limit
- RL Reporting Limit
- N Parameter not NELAC certified

B Analyte detected in the associated Method Blank
DF Dilution Factor
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
S Spike Recovery outside control limits

CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT**RunID:** GC4_130828A

The QC data in batch 59217 applies to the following samples: 1308230-01B, 1308230-02B, 1308230-03B

Sample ID	LCS-59217	Batch ID:	59217	TestNo:	M8015V	Units:	mg/L				
SampType:	LCS	Run ID:	GC4_130828A	Analysis Date: 8/28/2013 9:48:12 AM		Prep Date:	8/28/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics		5.84	0.100	5.000	0	117	67	136			
Surr: Tetrachlorethene		0.199		0.2000		99.5	74	138			

Sample ID	MB-59217	Batch ID:	59217	TestNo:	M8015V	Units:	mg/L				
SampType:	MBLK	Run ID:	GC4_130828A	Analysis Date: 8/28/2013 10:27:27 AM		Prep Date:	8/28/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics		<0.0600	0.100								
Surr: Tetrachlorethene		0.201		0.2000		100	74	138			

Sample ID	1308217-01BMS	Batch ID:	59217	TestNo:	M8015V	Units:	mg/L				
SampType:	MS	Run ID:	GC4_130828A	Analysis Date: 8/28/2013 12:43:45 PM		Prep Date:	8/28/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics		6.57	0.100	5.000	0	131	67	136			
Surr: Tetrachlorethene		0.228		0.2000		114	74	138			

Sample ID	1308217-01BMSD	Batch ID:	59217	TestNo:	M8015V	Units:	mg/L				
SampType:	MSD	Run ID:	GC4_130828A	Analysis Date: 8/28/2013 1:04:46 PM		Prep Date:	8/28/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics		6.54	0.100	5.000	0	131	67	136	0.381	30	
Surr: Tetrachlorethene		0.221		0.2000		111	74	138	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_130828A

Sample ID	ICV-130828	Batch ID:	R68351	TestNo:	M8015V	Units:	mg/L				
SampType:	ICV	Run ID:	GC4_130828A	Analysis Date: 8/28/2013 9:28:13 AM		Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics		11.6	0.100	10.00	0	116	80	120			
Surr: Tetrachlorethene		0.192		0.2000		96.2	74	138			

Sample ID	CCV1-130828	Batch ID:	R68351	TestNo:	M8015V	Units:	mg/L				
SampType:	CCV	Run ID:	GC4_130828A	Analysis Date: 8/28/2013 2:01:31 PM		Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics		4.85	0.100	5.000	0	97.0	80	120			
Surr: Tetrachlorethene		0.171		0.2000		85.7	74	138			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_130903A

The QC data in batch 59186 applies to the following samples: 1308230-01C, 1308230-02C, 1308230-03C

Sample ID	MB-59186	Batch ID:	59186	TestNo:	SW6020A	Units:	mg/L				
SampType:	MBLK	Run ID:	ICP-MS3_130903A	Analysis Date: 9/3/2013 1:23:00 PM		Prep Date:	8/27/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		<0.000300	0.00100								
Sample ID	LCS-59186	Batch ID:	59186	TestNo:	SW6020A	Units:	mg/L				
SampType:	LCS	Run ID:	ICP-MS3_130903A	Analysis Date: 9/3/2013 1:29:00 PM		Prep Date:	8/27/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		0.202	0.00100	0.200	0	101	80	120			
Sample ID	LCSD-59186	Batch ID:	59186	TestNo:	SW6020A	Units:	mg/L				
SampType:	LCSD	Run ID:	ICP-MS3_130903A	Analysis Date: 9/3/2013 1:35:00 PM		Prep Date:	8/27/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		0.204	0.00100	0.200	0	102	80	120	1.43	20	
Sample ID	1308217-01C SD	Batch ID:	59186	TestNo:	SW6020A	Units:	mg/L				
SampType:	SD	Run ID:	ICP-MS3_130903A	Analysis Date: 9/3/2013 1:47:00 PM		Prep Date:	8/27/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		<0.00150	0.00500	0	0				0	10	
Sample ID	1308217-01C PDS	Batch ID:	59186	TestNo:	SW6020A	Units:	mg/L				
SampType:	PDS	Run ID:	ICP-MS3_130903A	Analysis Date: 9/3/2013 1:53:00 PM		Prep Date:	8/27/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		0.219	0.00100	0.200	0	110	80	120			
Sample ID	1308217-01C MS	Batch ID:	59186	TestNo:	SW6020A	Units:	mg/L				
SampType:	MS	Run ID:	ICP-MS3_130903A	Analysis Date: 9/3/2013 1:59:00 PM		Prep Date:	8/27/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		0.214	0.00100	0.200	0	107	80	120			
Sample ID	1308217-01C MSD	Batch ID:	59186	TestNo:	SW6020A	Units:	mg/L				
SampType:	MSD	Run ID:	ICP-MS3_130903A	Analysis Date: 9/3/2013 2:05:00 PM		Prep Date:	8/27/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		0.220	0.00100	0.200	0	110	80	120	2.30	20	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_130903A

Sample ID	ICV1-130903	Batch ID:	R68455	TestNo:	SW6020A	Units:	mg/L				
SampType:	ICV	Run ID:	ICP-MS3_130903A	Analysis Date: 9/3/2013 12:46:00 PM		Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		0.0949	0.00100	0.100	0	94.9	90	110			
Sample ID	CCV1-130903	Batch ID:	R68455	TestNo:	SW6020A	Units:	mg/L				
SampType:	CCV	Run ID:	ICP-MS3_130903A	Analysis Date: 9/3/2013 2:41:00 PM		Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		0.194	0.00100	0.200	0	97.2	90	110			
Sample ID	CCV2-130903	Batch ID:	R68455	TestNo:	SW6020A	Units:	mg/L				
SampType:	CCV	Run ID:	ICP-MS3_130903A	Analysis Date: 9/3/2013 4:55:00 PM		Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Lead		0.194	0.00100	0.200	0	96.8	90	110			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_130904A

The QC data in batch 59182 applies to the following samples: 1308230-01E, 1308230-02E, 1308230-03E

Sample ID	LCS-59182	Batch ID:	59182	TestNo:	SW8270D		Units:	mg/L			
SampType:	LCS	Run ID:	GCMS9_130904A	Analysis Date: 9/4/2013 11:57:00 AM			Prep Date:	8/26/2013			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4,5-Tetrachlorobenzene		0.0576	0.000800	0.0800	0	72.0	35	120			
1,2-Diphenylhydrazine		0.0338	0.000800	0.0400	0	84.4	55	115			
1-Methylnaphthalene		0.0326	0.000800	0.0400	0	81.6	45	125			N
2,4,5-Trichlorophenol		0.0316	0.000800	0.0400	0	78.9	50	110			
2,4,6-Trichlorophenol		0.0318	0.000800	0.0400	0	79.5	50	115			
2,4-Dichlorophenol		0.0331	0.000800	0.0400	0	82.7	50	105			
2,4-Dimethylphenol		0.0349	0.000800	0.0400	0	87.2	30	110			
2,4-Dinitrophenol		0.0308	0.00400	0.0400	0	77.0	15	140			
2,4-Dinitrotoluene		0.0342	0.000800	0.0400	0	85.4	50	120			
2,6-Dichlorophenol		0.0338	0.000800	0.0400	0	84.4	35	120			
2,6-Dinitrotoluene		0.0342	0.000800	0.0400	0	85.4	50	115			
2-Chloronaphthalene		0.0408	0.000800	0.0400	0	102	50	105			
2-Chlorophenol		0.0316	0.000800	0.0400	0	79.1	35	105			
2-Methylnaphthalene		0.0321	0.000800	0.0400	0	80.3	45	105			
2-Methylphenol		0.0283	0.000800	0.0400	0	70.9	40	110			
2-Nitroaniline		0.0349	0.000800	0.0400	0	87.2	50	115			
2-Nitrophenol		0.0351	0.000800	0.0400	0	87.6	40	115			
3,3'-Dichlorobenzidine		0.0331	0.00400	0.0400	0	82.7	20	110			
3-Nitroaniline		0.0350	0.000800	0.0400	0	87.4	20	125			
4,6-Dinitro-2-methylphenol		0.0338	0.00200	0.0400	0	84.6	40	130			
4-Bromophenyl phenyl ether		0.0345	0.000800	0.0400	0	86.4	50	115			
4-Chloro-3-methylphenol		0.0330	0.000800	0.0400	0	82.4	45	110			
4-Chloroaniline		0.0327	0.00200	0.0400	0	81.8	15	110			
4-Chlorophenyl phenyl ether		0.0337	0.000800	0.0400	0	84.3	50	110			
4-Methylphenol		0.0254	0.000800	0.0400	0	63.6	30	110			
4-Nitroaniline		0.0350	0.000800	0.0400	0	87.5	35	120			
4-Nitrophenol		0.0225	0.00400	0.0400	0	56.2	20	120			
Acenaphthene		0.0330	0.000800	0.0400	0	82.4	45	110			
Acenaphthylene		0.0386	0.000800	0.0400	0	96.6	50	105			
Acetophenone		0.0527	0.000800	0.0800	0	65.9	45	125			
Aniline		0.0262	0.000800	0.0400	0	65.4	10	140			
Anthracene		0.0346	0.000800	0.0400	0	86.4	55	110			
Benzidine		0.0211	0.00600	0.0400	0	52.7	20	125			
Benzo[a]anthracene		0.0334	0.000800	0.0400	0	83.6	55	110			
Benzo[a]pyrene		0.0346	0.000800	0.0400	0	86.5	55	110			
Benzo[b]fluoranthene		0.0363	0.000800	0.0400	0	90.8	45	120			
Benzo[g,h,i]perylene		0.0318	0.000800	0.0400	0	79.4	40	125			
Benzo[k]fluoranthene		0.0336	0.000800	0.0400	0	84.0	45	125			
Benzoic acid		0.00340	0.00600	0.0400	0	8.50	5	120			
Benzyl alcohol		0.0217	0.00200	0.0400	0	54.3	30	110			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_130904A

Sample ID	LCS-59182	Batch ID:	59182	TestNo:	SW8270D		Units:	mg/L			
SampType:	LCS	Run ID:	GCMS9_130904A	Analysis Date: 9/4/2013 11:57:00 AM			Prep Date:	8/26/2013			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Biphenyl		0.0331	0.000800	0.0400	0	82.6	45	125			
Bis(2-chloroethoxy)methane		0.0333	0.000800	0.0400	0	83.4	45	105			
Bis(2-chloroethyl)ether		0.0298	0.000800	0.0400	0	74.4	35	110			
Bis(2-chloroisopropyl)ether		0.0313	0.000800	0.0400	0	78.2	25	130			
Bis(2-ethylhexyl)phthalate		0.0364	0.00300	0.0400	0	90.9	40	125			
Butyl benzyl phthalate		0.0364	0.00600	0.0400	0	91.0	45	115			
Carbazole		0.0355	0.000800	0.0400	0	88.6	50	115			
Chrysene		0.0308	0.000800	0.0400	0	76.9	55	110			
Dibenz[a,h]anthracene		0.0334	0.000800	0.0400	0	83.4	40	125			
Dibenzofuran		0.0339	0.000800	0.0400	0	84.8	55	105			
Diethyl phthalate		0.0344	0.00600	0.0400	0	86.1	40	120			
Dimethyl phthalate		0.0344	0.00600	0.0400	0	86.0	25	125			
Di-n-butyl phthalate		0.0363	0.00600	0.0400	0	90.7	55	115			
Di-n-octyl phthalate		0.0392	0.00600	0.0400	0	98.0	35	135			
Fluoranthene		0.0364	0.000800	0.0400	0	91.1	55	115			
Fluorene		0.0349	0.000800	0.0400	0	87.2	50	110			
Hexachlorobenzene		0.0337	0.000800	0.0400	0	84.2	50	110			
Hexachlorobutadiene		0.0320	0.000800	0.0400	0	79.9	25	105			
Hexachlorocyclopentadiene		0.0112	0.00200	0.0400	0	28.1	25	125			
Hexachloroethane		0.0327	0.000800	0.0400	0	81.8	30	100			
Indeno[1,2,3-cd]pyrene		0.0331	0.000800	0.0400	0	82.8	45	125			
Isophorone		0.0345	0.000800	0.0400	0	86.2	50	110			
Naphthalene		0.0338	0.000800	0.0400	0	84.6	40	100			
Nitrobenzene		0.0357	0.000800	0.0400	0	89.4	45	110			
N-Nitrosodimethylamine		0.0215	0.000800	0.0400	0	53.8	25	110			
N-Nitrosodi-n-propylamine		0.0278	0.000800	0.0400	0	69.6	35	130			
N-Nitrosodiphenylamine		0.0778	0.000800	0.0800	0	97.2	50	110			
Pentachlorobenzene		0.0641	0.000800	0.0800	0	80.1	35	120			
Pentachlorophenol		0.0315	0.000800	0.0400	0	78.8	40	115			
Phenanthrene		0.0328	0.000800	0.0400	0	82.0	50	115			
Phenol		0.0194	0.000800	0.0400	0	48.4	20	115			
Pyrene		0.0346	0.000800	0.0400	0	86.6	50	130			
Pyridine		0.0224	0.00200	0.0400	0	55.9	20	110			
Surr: 2,4,6-Tribromophenol		71.6		80.00		89.5	42	124			
Surr: 2-Fluorobiphenyl		70.6		80.00		88.2	50	110			
Surr: 2-Fluorophenol		61.0		80.00		76.2	20	110			
Surr: 4-Terphenyl-d14		72.6		80.00		90.8	51	135			
Surr: Nitrobenzene-d5		73.6		80.00		92.0	41	110			
Surr: Phenol-d5		38.8		80.00		48.5	20	115			

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_130904A

Sample ID	1308217-01EMS	Batch ID:	59182	TestNo:	SW8270D		Units:	mg/L			
SampType:	MS	Run ID:	GCMS9_130904A	Analysis Date: 9/4/2013 12:20:00 PM			Prep Date:	8/26/2013			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4,5-Tetrachlorobenzene		0.0609	0.000800	0.0800	0	76.2	35	120			
1,2-Diphenylhydrazine		0.0351	0.000800	0.0400	0	87.8	55	115			
1-Methylnaphthalene		0.0342	0.000800	0.0400	0	85.4	45	125			N
2,4,5-Trichlorophenol		0.0322	0.000800	0.0400	0	80.4	50	110			
2,4,6-Trichlorophenol		0.0326	0.000800	0.0400	0	81.4	50	115			
2,4-Dichlorophenol		0.0355	0.000800	0.0400	0.000360	88.0	50	105			
2,4-Dimethylphenol		0.0363	0.000800	0.0400	0	90.7	30	110			
2,4-Dinitrophenol		0.0318	0.00400	0.0400	0	79.4	15	140			
2,4-Dinitrotoluene		0.0363	0.000800	0.0400	0	90.7	50	120			
2,6-Dichlorophenol		0.0346	0.000800	0.0400	0	86.6	35	120			
2,6-Dinitrotoluene		0.0362	0.000800	0.0400	0	90.6	50	115			
2-Chloronaphthalene		0.0432	0.000800	0.0400	0	108	50	105			S
2-Chlorophenol		0.0326	0.000800	0.0400	0	81.6	35	105			
2-Methylnaphthalene		0.0336	0.000800	0.0400	0	84.0	45	105			
2-Methylphenol		0.0303	0.000800	0.0400	0	75.8	40	110			
2-Nitroaniline		0.0364	0.000800	0.0400	0	91.1	50	115			
2-Nitrophenol		0.0365	0.000800	0.0400	0	91.3	40	115			
3,3'-Dichlorobenzidine		0.0331	0.00400	0.0400	0	82.8	20	110			
3-Nitroaniline		0.0361	0.000800	0.0400	0	90.3	20	125			
4,6-Dinitro-2-methylphenol		0.0343	0.00200	0.0400	0	85.9	40	130			
4-Bromophenyl phenyl ether		0.0358	0.000800	0.0400	0	89.4	50	115			
4-Chloro-3-methylphenol		0.0337	0.000800	0.0400	0	84.4	45	110			
4-Chloroaniline		0.0339	0.00200	0.0400	0	84.7	15	110			
4-Chlorophenyl phenyl ether		0.0355	0.000800	0.0400	0	88.8	50	110			
4-Methylphenol		0.0266	0.000800	0.0400	0	66.4	30	110			
4-Nitroaniline		0.0355	0.000800	0.0400	0	88.8	35	120			
4-Nitrophenol		0.0231	0.00400	0.0400	0	57.8	20	120			
Acenaphthene		0.0348	0.000800	0.0400	0	86.9	45	110			
Acenaphthylene		0.0405	0.000800	0.0400	0	101	50	105			
Acetophenone		0.0533	0.000800	0.0800	0	66.7	45	125			
Aniline		0.0269	0.000800	0.0400	0	67.4	10	140			
Anthracene		0.0357	0.000800	0.0400	0	89.2	55	110			
Benzidine		0.0170	0.00600	0.0400	0	42.5	20	125			
Benzo[a]anthracene		0.0348	0.000800	0.0400	0	87.1	55	110			
Benzo[a]pyrene		0.0354	0.000800	0.0400	0	88.6	55	110			
Benzo[b]fluoranthene		0.0388	0.000800	0.0400	0	97.0	45	120			
Benzo[g,h,i]perylene		0.0327	0.000800	0.0400	0	81.6	40	125			
Benzo[k]fluoranthene		0.0332	0.000800	0.0400	0	83.0	45	125			
Benzoic acid		0.00554	0.00600	0.0400	0.00434	3.00	5	120			S
Benzyl alcohol		0.0221	0.00200	0.0400	0	55.2	30	110			
Biphenyl		0.0349	0.000800	0.0400	0	87.3	45	125			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_130904A

Sample ID	1308217-01EMS	Batch ID:	59182	TestNo:	SW8270D		Units:	mg/L			
SampType:	MS	Run ID:	GCMS9_130904A	Analysis Date: 9/4/2013 12:20:00 PM			Prep Date:	8/26/2013			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane		0.0350	0.000800	0.0400	0	87.4	45	105			
Bis(2-chloroethyl)ether		0.0308	0.000800	0.0400	0	77.0	35	110			
Bis(2-chloroisopropyl)ether		0.0326	0.000800	0.0400	0	81.6	25	130			
Bis(2-ethylhexyl)phthalate		0.0371	0.00300	0.0400	0	92.8	40	125			
Butyl benzyl phthalate		0.0371	0.00600	0.0400	0	92.8	45	115			
Carbazole		0.0361	0.000800	0.0400	0	90.3	50	115			
Chrysene		0.0315	0.000800	0.0400	0	78.8	55	110			
Dibenz[a,h]anthracene		0.0344	0.000800	0.0400	0	85.9	40	125			
Dibenzo furan		0.0356	0.000800	0.0400	0	88.9	55	105			
Diethyl phthalate		0.0365	0.00600	0.0400	0	91.2	40	120			
Dimethyl phthalate		0.0357	0.00600	0.0400	0	89.4	25	125			
Di-n-butyl phthalate		0.0376	0.00600	0.0400	0	94.0	55	115			
Di-n-octyl phthalate		0.0400	0.00600	0.0400	0	99.9	35	135			
Fluoranthene		0.0378	0.000800	0.0400	0	94.4	55	115			
Fluorene		0.0365	0.000800	0.0400	0	91.3	50	110			
Hexachlorobenzene		0.0353	0.000800	0.0400	0	88.3	50	110			
Hexachlorobutadiene		0.0339	0.000800	0.0400	0	84.7	25	105			
Hexachlorocyclopentadiene		0.0126	0.00200	0.0400	0	31.4	25	125			
Hexachloroethane		0.0342	0.000800	0.0400	0	85.4	30	100			
Indeno[1,2,3-cd]pyrene		0.0341	0.000800	0.0400	0	85.2	45	125			
Isophorone		0.0358	0.000800	0.0400	0	89.6	50	110			
Naphthalene		0.0355	0.000800	0.0400	0	88.8	40	100			
Nitrobenzene		0.0374	0.000800	0.0400	0	93.4	45	110			
N-Nitrosodimethylamine		0.0235	0.000800	0.0400	0	58.8	25	110			
N-Nitrosodi-n-propylamine		0.0288	0.000800	0.0400	0	72.0	35	130			
N-Nitrosodiphenylamine		0.0779	0.000800	0.0800	0	97.3	50	110			
Pentachlorobenzene		0.0661	0.000800	0.0800	0	82.6	35	120			
Pentachlorophenol		0.0328	0.000800	0.0400	0	82.0	40	115			
Phenanthrene		0.0339	0.000800	0.0400	0	84.7	50	115			
Phenol		0.0213	0.000800	0.0400	0	53.2	20	115			
Pyrene		0.0357	0.000800	0.0400	0	89.2	50	130			
Pyridine		0.0240	0.00200	0.0400	0	60.1	20	110			
Surr: 2,4,6-Tribromophenol		75.2		80.00		94.0	42	124			
Surr: 2-Fluorobiphenyl		74.0		80.00		92.5	50	110			
Surr: 2-Fluorophenol		64.6		80.00		80.8	20	110			
Surr: 4-Terphenyl-d14		75.2		80.00		94.0	51	135			
Surr: Nitrobenzene-d5		77.4		80.00		96.8	41	110			
Surr: Phenol-d5		43.0		80.00		53.8	20	115			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_130904A

Sample ID	1308217-01EMSD	Batch ID:	59182	TestNo:	SW8270D		Units:	mg/L			
SampType:	MSD	Run ID:	GCMS9_130904A	Analysis Date: 9/4/2013 12:43:00 PM			Prep Date:	8/26/2013			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4,5-Tetrachlorobenzene		0.0609	0.000800	0.0800	0	76.1	35	120	0.065	30	
1,2-Diphenylhydrazine		0.0346	0.000800	0.0400	0	86.6	55	115	1.32	30	
1-Methylnaphthalene		0.0337	0.000800	0.0400	0	84.2	45	125	1.36	30	N
2,4,5-Trichlorophenol		0.0322	0.000800	0.0400	0	80.4	50	110	0	30	
2,4,6-Trichlorophenol		0.0322	0.000800	0.0400	0	80.6	50	115	1.05	30	
2,4-Dichlorophenol		0.0339	0.000800	0.0400	0.000360	83.9	50	105	4.72	30	
2,4-Dimethylphenol		0.0360	0.000800	0.0400	0	89.9	30	110	0.886	30	
2,4-Dinitrophenol		0.0317	0.00400	0.0400	0	79.2	15	140	0.315	30	
2,4-Dinitrotoluene		0.0355	0.000800	0.0400	0	88.8	50	120	2.06	30	
2,6-Dichlorophenol		0.0346	0.000800	0.0400	0	86.6	35	120	0	30	
2,6-Dinitrotoluene		0.0361	0.000800	0.0400	0	90.2	50	115	0.498	30	
2-Chloronaphthalene		0.0426	0.000800	0.0400	0	106	50	105	1.44	30	S
2-Chlorophenol		0.0320	0.000800	0.0400	0	80.1	35	105	1.79	30	
2-Methylnaphthalene		0.0329	0.000800	0.0400	0	82.4	45	105	1.92	30	
2-Methylphenol		0.0302	0.000800	0.0400	0	75.5	40	110	0.331	30	
2-Nitroaniline		0.0362	0.000800	0.0400	0	90.6	50	115	0.495	30	
2-Nitrophenol		0.0364	0.000800	0.0400	0	91.1	40	115	0.219	30	
3,3'-Dichlorobenzidine		0.0341	0.00400	0.0400	0	85.3	20	110	2.86	30	
3-Nitroaniline		0.0360	0.000800	0.0400	0	90.0	20	125	0.333	30	
4,6-Dinitro-2-methylphenol		0.0350	0.00200	0.0400	0	87.6	40	130	2.02	30	
4-Bromophenyl phenyl ether		0.0356	0.000800	0.0400	0	88.9	50	115	0.561	30	
4-Chloro-3-methylphenol		0.0332	0.000800	0.0400	0	82.9	45	110	1.73	30	
4-Chloroaniline		0.0334	0.00200	0.0400	0	83.4	15	110	1.49	30	
4-Chlorophenyl phenyl ether		0.0350	0.000800	0.0400	0	87.6	50	110	1.30	30	
4-Methylphenol		0.0265	0.000800	0.0400	0	66.4	30	110	0.075	30	
4-Nitroaniline		0.0355	0.000800	0.0400	0	88.8	35	120	0	30	
4-Nitrophenol		0.0229	0.00400	0.0400	0	57.2	20	120	1.13	30	
Acenaphthene		0.0339	0.000800	0.0400	0	84.9	45	110	2.39	30	
Acenaphthylene		0.0397	0.000800	0.0400	0	99.4	50	105	1.94	30	
Acetophenone		0.0544	0.000800	0.0800	0	68.0	45	125	2.00	30	
Aniline		0.0269	0.000800	0.0400	0	67.2	10	140	0.297	30	
Anthracene		0.0352	0.000800	0.0400	0	88.0	55	110	1.41	30	
Benzidine		0.0289	0.00600	0.0400	0	72.2	20	125	52.0	30	R
Benzo[a]anthracene		0.0342	0.000800	0.0400	0	85.6	55	110	1.68	30	
Benzo[a]pyrene		0.0349	0.000800	0.0400	0	87.2	55	110	1.54	30	
Benzo[b]fluoranthene		0.0382	0.000800	0.0400	0	95.4	45	120	1.56	30	
Benzo[g,h,i]perylene		0.0327	0.000800	0.0400	0	81.6	40	125	0	30	
Benzo[k]fluoranthene		0.0334	0.000800	0.0400	0	83.4	45	125	0.421	30	
Benzoic acid		0.00380	0.00600	0.0400	0.00434	-1.35	5	120	37.3	30	SR
Benzyl alcohol		0.0218	0.00200	0.0400	0	54.6	30	110	1.18	30	
Biphenyl		0.0345	0.000800	0.0400	0	86.4	45	125	1.09	30	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_130904A

Sample ID	1308217-01EMSD	Batch ID:	59182	TestNo:	SW8270D		Units:	mg/L			
SampType:	MSD	Run ID:	GCMS9_130904A	Analysis Date: 9/4/2013 12:43:00 PM			Prep Date:	8/26/2013			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane		0.0341	0.000800	0.0400	0	85.4	45	105	2.37	30	
Bis(2-chloroethyl)ether		0.0301	0.000800	0.0400	0	75.3	35	110	2.30	30	
Bis(2-chloroisopropyl)ether		0.0316	0.000800	0.0400	0	79.0	25	130	3.18	30	
Bis(2-ethylhexyl)phthalate		0.0371	0.00300	0.0400	0	92.8	40	125	0	30	
Butyl benzyl phthalate		0.0371	0.00600	0.0400	0	92.8	45	115	0	30	
Carbazole		0.0359	0.000800	0.0400	0	89.8	50	115	0.555	30	
Chrysene		0.0315	0.000800	0.0400	0	78.8	55	110	0	30	
Dibenz[a,h]anthracene		0.0339	0.000800	0.0400	0	84.6	40	125	1.47	30	
Dibenzo furan		0.0349	0.000800	0.0400	0	87.2	55	105	1.87	30	
Diethyl phthalate		0.0362	0.00600	0.0400	0	90.4	40	120	0.881	30	
Dimethyl phthalate		0.0359	0.00600	0.0400	0	89.7	25	125	0.335	30	
Di-n-butyl phthalate		0.0366	0.00600	0.0400	0	91.6	55	115	2.59	30	
Di-n-octyl phthalate		0.0396	0.00600	0.0400	0	99.1	35	135	0.854	30	
Fluoranthene		0.0371	0.000800	0.0400	0	92.8	55	115	1.82	30	
Fluorene		0.0358	0.000800	0.0400	0	89.5	50	110	1.99	30	
Hexachlorobenzene		0.0344	0.000800	0.0400	0	86.0	50	110	2.70	30	
Hexachlorobutadiene		0.0328	0.000800	0.0400	0	82.0	25	105	3.30	30	
Hexachlorocyclopentadiene		0.0120	0.00200	0.0400	0	30.0	25	125	4.56	30	
Hexachloroethane		0.0332	0.000800	0.0400	0	83.0	30	100	2.85	30	
Indeno[1,2,3-cd]pyrene		0.0335	0.000800	0.0400	0	83.6	45	125	1.78	30	
Isophorone		0.0353	0.000800	0.0400	0	88.2	50	110	1.57	30	
Naphthalene		0.0346	0.000800	0.0400	0	86.6	40	100	2.45	30	
Nitrobenzene		0.0365	0.000800	0.0400	0	91.4	45	110	2.22	30	
N-Nitrosodimethylamine		0.0235	0.000800	0.0400	0	58.6	25	110	0.170	30	
N-Nitrosodi-n-propylamine		0.0285	0.000800	0.0400	0	71.2	35	130	1.12	30	
N-Nitrosodiphenylamine		0.0803	0.000800	0.0800	0	100	50	110	3.09	30	
Pentachlorobenzene		0.0669	0.000800	0.0800	0	83.6	35	120	1.23	30	
Pentachlorophenol		0.0340	0.000800	0.0400	0	85.1	40	115	3.71	30	
Phenanthrene		0.0336	0.000800	0.0400	0	84.1	50	115	0.711	30	
Phenol		0.0218	0.000800	0.0400	0	54.5	20	115	2.32	30	
Pyrene		0.0354	0.000800	0.0400	0	88.4	50	130	0.845	30	
Pyridine		0.0243	0.00200	0.0400	0	60.8	20	110	1.16	30	
Surr: 2,4,6-Tribromophenol		74.8		80.00		93.5	42	124	0	0	
Surr: 2-Fluorobiphenyl		73.0		80.00		91.2	50	110	0	0	
Surr: 2-Fluorophenol		64.0		80.00		80.0	20	110	0	0	
Surr: 4-Terphenyl-d14		74.6		80.00		93.3	51	135	0	0	
Surr: Nitrobenzene-d5		75.8		80.00		94.8	41	110	0	0	
Surr: Phenol-d5		44.2		80.00		55.2	20	115	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_130904A

Sample ID	MB-59182	Batch ID:	59182	TestNo:	SW8270D	Units:	mg/L				
SampType:	MBLK	Run ID:	GCMS9_130904A	Analysis Date: 9/4/2013 1:29:00 PM		Prep Date:	8/26/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4,5-Tetrachlorobenzene		<0.000200	0.000800								N
1,2-Diphenylhydrazine		<0.000200	0.000800								
1-Methylnaphthalene		<0.000200	0.000800								
2,4,5-Trichlorophenol		<0.000200	0.000800								
2,4,6-Trichlorophenol		<0.000200	0.000800								
2,4-Dichlorophenol		<0.000200	0.000800								
2,4-Dimethylphenol		<0.000200	0.000800								
2,4-Dinitrophenol		<0.00100	0.00400								
2,4-Dinitrotoluene		<0.000200	0.000800								
2,6-Dichlorophenol		<0.000200	0.000800								
2,6-Dinitrotoluene		<0.000200	0.000800								
2-Chloronaphthalene		<0.000200	0.000800								
2-Chlorophenol		<0.000200	0.000800								
2-Methylnaphthalene		<0.000200	0.000800								
2-Methylphenol		<0.000200	0.000800								
2-Nitroaniline		<0.000200	0.000800								
2-Nitrophenol		<0.000200	0.000800								
3,3'-Dichlorobenzidine		<0.00100	0.00400								
3-Nitroaniline		<0.000200	0.000800								
4,6-Dinitro-2-methylphenol		<0.000600	0.00200								
4-Bromophenyl phenyl ether		<0.000200	0.000800								
4-Chloro-3-methylphenol		<0.000200	0.000800								
4-Chloroaniline		<0.000600	0.00200								
4-Chlorophenyl phenyl ether		<0.000200	0.000800								
4-Methylphenol		<0.000200	0.000800								
4-Nitroaniline		<0.000200	0.000800								
4-Nitrophenol		<0.00100	0.00400								
Acenaphthene		<0.000200	0.000800								
Acenaphthylene		<0.000200	0.000800								
Acetophenone		<0.000200	0.000800								
Aniline		<0.000200	0.000800								
Anthracene		<0.000200	0.000800								
Benzidine		<0.00200	0.00600								
Benzo[a]anthracene		<0.000200	0.000800								
Benzo[a]pyrene		<0.000200	0.000800								
Benzo[b]fluoranthene		<0.000200	0.000800								
Benzo[g,h,i]perylene		<0.000200	0.000800								
Benzo[k]fluoranthene		<0.000200	0.000800								
Benzoic acid		0.00574	0.00600								
Benzyl alcohol		<0.000600	0.00200								
Biphenyl		<0.000200	0.000800								

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_130904A

Sample ID	MB-59182	Batch ID:	59182	TestNo:	SW8270D	Units:	mg/L				
SampType:	MBLK	Run ID:	GCMS9_130904A	Analysis Date: 9/4/2013 1:29:00 PM		Prep Date:	8/26/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane		<0.000200	0.000800								
Bis(2-chloroethyl)ether		<0.000200	0.000800								
Bis(2-chloroisopropyl)ether		<0.000200	0.000800								
Bis(2-ethylhexyl)phthalate		0.00532	0.00300								
Butyl benzyl phthalate		<0.00200	0.00600								
Carbazole		<0.000200	0.000800								
Chrysene		<0.000200	0.000800								
Dibenz[a,h]anthracene		<0.000200	0.000800								
Dibenzo furan		<0.000200	0.000800								
Diethyl phthalate		<0.00200	0.00600								
Dimethyl phthalate		<0.00200	0.00600								
Di-n-butyl phthalate		<0.00200	0.00600								
Di-n-octyl phthalate		<0.00200	0.00600								
Fluoranthene		<0.000200	0.000800								
Fluorene		<0.000200	0.000800								
Hexachlorobenzene		<0.000200	0.000800								
Hexachlorobutadiene		<0.000200	0.000800								
Hexachlorocyclopentadiene		<0.000600	0.00200								
Hexachloroethane		<0.000200	0.000800								
Indeno[1,2,3-cd]pyrene		<0.000200	0.000800								
Isophorone		<0.000200	0.000800								
Naphthalene		<0.000200	0.000800								
Nitrobenzene		<0.000200	0.000800								
N-Nitrosodimethylamine		<0.000200	0.000800								
N-Nitrosodi-n-propylamine		<0.000100	0.000800								
N-Nitrosodiphenylamine		<0.000200	0.000800								
Pentachlorobenzene		<0.000200	0.000800								
Pentachlorophenol		<0.000200	0.000800								
Phenanthrene		<0.000200	0.000800								
Phenol		<0.000200	0.000800								
Pyrene		<0.000200	0.000800								
Pyridine		<0.000800	0.00200								
Surr: 2,4,6-Tribromophenol		71.4		80.00		89.2	42	124			
Surr: 2-Fluorobiphenyl		75.6		80.00		94.5	50	110			
Surr: 2-Fluorophenol		56.0		80.00		70.0	20	110			
Surr: 4-Terphenyl-d14		76.6		80.00		95.8	51	135			
Surr: Nitrobenzene-d5		76.6		80.00		95.8	41	110			
Surr: Phenol-d5		34.4		80.00		43.0	20	115			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_130904A

Sample ID	LCS-59182	Batch ID:	59182	TestNo:	SW8270D		Units:	mg/L			
SampType:	LCS	Run ID:	GCMS9_130904A	Analysis Date: 9/4/2013 11:57:00 AM			Prep Date:	8/26/2013			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1-Chloronaphthalene		0.0299	0.000800	0.0400	0	74.7	45	125			N
1-Naphthylamine		0.0318	0.000800	0.0400	0	79.6	45	125			
2-Naphthylamine		0.0316	0.000800	0.0400	0	79.0	45	125			
2-Picoline		0.0325	0.000800	0.0400	0	81.4	45	125			
3-Methylcholanthrene		0.0315	0.000800	0.0400	0	78.7	45	125			
4-Aminobiphenyl		0.0309	0.000800	0.0400	0	77.2	45	125			
7,12-Dimethylbenz(a)anthracene		0.0358	0.000800	0.0400	0	89.6	45	125			
Dibenz(a,j)acridine		0.0325	0.00400	0.0400	0	81.2	45	125			N
Dimethylphenethylamine		0.0276	0.00600	0.0400	0	69.1	45	125			
Diphenylamine		0.0647	0.000800	0.0800	0	80.9	45	125			
Ethyl methanesulfonate		0.0398	0.000800	0.0400	0	99.6	45	125			
Methyl methanesulfonate		0.0291	0.000800	0.0400	0	72.8	45	125			
N-Nitrosopiperidine		0.0391	0.000800	0.0400	0	97.6	45	125			
p-Dimethylaminoazobenzene		0.0393	0.000800	0.0400	0	98.4	45	125			N
Pentachloronitrobenzene		0.0310	0.000800	0.0400	0	77.4	45	125			
Phenacetin		0.0430	0.000800	0.0400	0	107	45	125			
Pronamide		0.0368	0.000800	0.0400	0	92.0	45	125			

Sample ID	1308217-01EMS	Batch ID:	59182	TestNo:	SW8270D		Units:	mg/L			
SampType:	MS	Run ID:	GCMS9_130904A	Analysis Date: 9/4/2013 12:20:00 PM			Prep Date:	8/26/2013			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1-Chloronaphthalene		0.0291	0.000800	0.0400	0	72.8	45	125			N
1-Naphthylamine		0.0310	0.000800	0.0400	0	77.4	45	125			
2-Naphthylamine		0.0310	0.000800	0.0400	0	77.5	45	125			
2-Picoline		0.0333	0.000800	0.0400	0	83.2	45	125			
3-Methylcholanthrene		0.0311	0.000800	0.0400	0	77.7	45	125			
4-Aminobiphenyl		0.0290	0.000800	0.0400	0	72.5	45	125			
7,12-Dimethylbenz(a)anthracene		0.0350	0.000800	0.0400	0	87.6	45	125			
Dibenz(a,j)acridine		0.0318	0.00400	0.0400	0	79.5	45	125			N
Dimethylphenethylamine		0.0261	0.00600	0.0400	0	65.4	45	125			
Diphenylamine		0.0647	0.000800	0.0800	0	80.9	45	125			
Ethyl methanesulfonate		0.0408	0.000800	0.0400	0	102	45	125			
Methyl methanesulfonate		0.0308	0.000800	0.0400	0	77.1	45	125			
N-Nitrosopiperidine		0.0389	0.000800	0.0400	0	97.2	45	125			
p-Dimethylaminoazobenzene		0.0392	0.000800	0.0400	0	97.9	45	125			N
Pentachloronitrobenzene		0.0303	0.000800	0.0400	0	75.8	45	125			
Phenacetin		0.0426	0.000800	0.0400	0	106	45	125			
Pronamide		0.0356	0.000800	0.0400	0	89.0	45	125			

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_130904A

Sample ID	1308217-01EMSD	Batch ID:	59182	TestNo:	SW8270D		Units:	mg/L			
SampType:	MSD	Run ID:	GCMS9_130904A	Analysis Date: 9/4/2013 12:43:00 PM			Prep Date:	8/26/2013			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1-Chloronaphthalene		0.0311	0.000800	0.0400	0	77.7	45	125	6.58	30	N
1-Naphthylamine		0.0337	0.000800	0.0400	0	84.2	45	125	8.36	30	
2-Naphthylamine		0.0337	0.000800	0.0400	0	84.2	45	125	8.23	30	
2-Picoline		0.0340	0.000800	0.0400	0	85.1	45	125	2.26	30	
3-Methylcholanthrene		0.0332	0.000800	0.0400	0	83.1	45	125	6.72	30	
4-Aminobiphenyl		0.0354	0.000800	0.0400	0	88.6	45	125	20.1	30	
7,12-Dimethylbenz(a)anthracene		0.0371	0.000800	0.0400	0	92.8	45	125	5.77	30	
Dibenz(a,j)acridine		0.0340	0.00400	0.0400	0	84.9	45	125	6.57	30	N
Dimethylphenethylamine		0.0366	0.00600	0.0400	0	91.6	45	125	33.5	30	R
Diphenylamine		0.0668	0.000800	0.0800	0	83.5	45	125	3.16	30	
Ethyl methanesulfonate		0.0416	0.000800	0.0400	0	104	45	125	2.09	30	
Methyl methanesulfonate		0.0314	0.000800	0.0400	0	78.4	45	125	1.74	30	
N-Nitrosopiperidine		0.0405	0.000800	0.0400	0	101	45	125	4.03	30	
p-Dimethylaminoazobenzene		0.0421	0.000800	0.0400	0	105	45	125	7.33	30	N
Pentachloronitrobenzene		0.0325	0.000800	0.0400	0	81.4	45	125	7.06	30	
Phenacetin		0.0441	0.000800	0.0400	0	110	45	125	3.41	30	
Pronamide		0.0378	0.000800	0.0400	0	94.6	45	125	6.05	30	

Sample ID	MB-59182	Batch ID:	59182	TestNo:	SW8270D		Units:	mg/L			
SampType:	MLBK	Run ID:	GCMS9_130904A	Analysis Date: 9/4/2013 1:29:00 PM			Prep Date:	8/26/2013			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1-Chloronaphthalene		<0.000200	0.000800								N
1-Naphthylamine		<0.000200	0.000800								
2-Naphthylamine		<0.000200	0.000800								
2-Picoline		<0.000200	0.000800								
3-Methylcholanthrene		<0.000200	0.000800								
4-Aminobiphenyl		<0.000200	0.000800								
7,12-Dimethylbenz(a)anthracene		<0.000200	0.000800								
Dibenz(a,j)acridine		<0.00100	0.00400								N
Dimethylphenethylamine		<0.00200	0.00600								
Diphenylamine		<0.000200	0.000800								
Ethyl methanesulfonate		<0.000200	0.000800								
Methyl methanesulfonate		<0.000200	0.000800								
N-Nitrosopiperidine		<0.000200	0.000800								
p-Dimethylaminoazobenzene		<0.000200	0.000800								N
Pentachloronitrobenzene		<0.000200	0.000800								
Phenacetin		<0.000200	0.000800								
Pronamide		<0.000200	0.000800								

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_130904A

Sample ID	ICV-130904	Batch ID:	R68452	TestNo:	SW8270D	Units:	mg/L				
SampType:	ICV	Run ID:	GCMS9_130904A	Analysis Date: 9/4/2013 11:02:00 AM		Prep Date:					
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2,4,5-Tetrachlorobenzene		3.86	0.000800	4.00	0	96.4	80	120			
1,2-Diphenylhydrazine		3.95	0.000800	4.00	0	98.7	80	120			
1-Methylnaphthalene		1.58	0.000800	1.60	0	98.9	80	120			N
2,4,5-Trichlorophenol		3.92	0.000800	4.00	0	98.1	80	120			
2,4,6-Trichlorophenol		4.00	0.000800	4.00	0	100	80	120			
2,4-Dichlorophenol		4.17	0.000800	4.00	0	104	80	120			
2,4-Dimethylphenol		4.21	0.000800	4.00	0	105	80	120			
2,4-Dinitrophenol		3.56	0.00400	4.00	0	89.0	80	120			
2,4-Dinitrotoluene		3.98	0.000800	4.00	0	99.5	80	120			
2,6-Dichlorophenol		4.25	0.000800	4.00	0	106	80	120			
2,6-Dinitrotoluene		3.87	0.000800	4.00	0	96.7	80	120			
2-Chloronaphthalene		3.99	0.000800	4.00	0	99.8	80	120			
2-Chlorophenol		3.55	0.000800	4.00	0	88.8	80	120			
2-Methylnaphthalene		3.86	0.000800	4.00	0	96.5	80	120			
2-Methylphenol		3.39	0.000800	4.00	0	84.8	80	120			
2-Nitroaniline		3.96	0.000800	4.00	0	99.0	80	120			
2-Nitrophenol		4.07	0.000800	4.00	0	102	80	120			
3,3'-Dichlorobenzidine		3.35	0.00400	4.00	0	83.9	80	120			
3-Nitroaniline		3.67	0.000800	4.00	0	91.7	80	120			
4,6-Dinitro-2-methylphenol		3.79	0.00200	4.00	0	94.6	80	120			
4-Bromophenyl phenyl ether		4.02	0.000800	4.00	0	101	80	120			
4-Chloro-3-methylphenol		4.01	0.000800	4.00	0	100	80	120			
4-Chloroaniline		3.92	0.00200	4.00	0	98.1	80	120			
4-Chlorophenyl phenyl ether		3.99	0.000800	4.00	0	99.7	80	120			
4-Methylphenol		3.25	0.000800	4.00	0	81.2	80	120			
4-Nitroaniline		3.99	0.000800	4.00	0	99.7	80	120			
4-Nitrophenol		4.52	0.00400	4.00	0	113	80	120			
Acenaphthene		3.85	0.000800	4.00	0	96.2	80	120			
Acenaphthylene		4.47	0.000800	4.00	0	112	80	120			
Acetophenone		1.25	0.000800	1.60	0	78.4	80	120			S
Aniline		3.38	0.000800	4.00	0	84.6	80	120			
Anthracene		3.96	0.000800	4.00	0	99.1	80	120			
Benzidine		3.22	0.00600	4.00	0	80.4	80	120			
Benzo[a]anthracene		3.78	0.000800	4.00	0	94.4	80	120			
Benzo[a]pyrene		3.79	0.000800	4.00	0	94.6	80	120			
Benzo[b]fluoranthene		3.89	0.000800	4.00	0	97.3	80	120			
Benzo[g,h,i]perylene		3.69	0.000800	4.00	0	92.2	80	120			
Benzo[k]fluoranthene		3.69	0.000800	4.00	0	92.2	80	120			
Benzoic acid		3.80	0.00600	4.00	0	95.0	80	120			
Benzyl alcohol		3.02	0.00200	4.00	0	75.5	80	120			S
Biphenyl		1.56	0.000800	1.60	0	97.8	80	120			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_130904A

Sample ID	ICV-130904	Batch ID:	R68452	TestNo:	SW8270D		Units:	mg/L			
SampType:	ICV	Run ID:	GCMS9_130904A	Analysis Date: 9/4/2013 11:02:00 AM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane		4.01	0.000800	4.00	0	100	80	120			
Bis(2-chloroethyl)ether		3.38	0.000800	4.00	0	84.4	80	120			
Bis(2-chloroisopropyl)ether		3.57	0.000800	4.00	0	89.3	80	120			
Bis(2-ethylhexyl)phthalate		3.99	0.00300	4.00	0	99.7	80	120			
Butyl benzyl phthalate		3.94	0.00600	4.00	0	98.5	80	120			
Carbazole		3.91	0.000800	4.00	0	97.9	80	120			
Chrysene		3.50	0.000800	4.00	0	87.4	80	120			
Dibenz[a,h]anthracene		3.87	0.000800	4.00	0	96.7	80	120			
Dibenzo furan		4.00	0.000800	4.00	0	99.9	80	120			
Diethyl phthalate		4.08	0.00600	4.00	0	102	80	120			
Dimethyl phthalate		4.02	0.00600	4.00	0	100	80	120			
Di-n-butyl phthalate		3.97	0.00600	4.00	0	99.3	80	120			
Di-n-octyl phthalate		4.23	0.00600	4.00	0	106	80	120			
Fluoranthene		4.12	0.000800	4.00	0	103	80	120			
Fluorene		4.04	0.000800	4.00	0	101	80	120			
Hexachlorobenzene		3.93	0.000800	4.00	0	98.3	80	120			
Hexachlorobutadiene		4.24	0.000800	4.00	0	106	80	120			
Hexachlorocyclopentadiene		2.42	0.00200	4.00	0	60.4	80	120			S
Hexachloroethane		4.34	0.000800	4.00	0	109	80	120			
Indeno[1,2,3-cd]pyrene		3.81	0.000800	4.00	0	95.2	80	120			
Isophorone		4.06	0.000800	4.00	0	101	80	120			
Naphthalene		3.97	0.000800	4.00	0	99.2	80	120			
Nitrobenzene		4.13	0.000800	4.00	0	103	80	120			
N-Nitrosodimethylamine		3.89	0.000800	4.00	0	97.2	80	120			
N-Nitrosodi-n-propylamine		3.36	0.000800	4.00	0	84.0	80	120			
N-Nitrosodiphenylamine		3.84	0.000800	4.00	0	96.0	80	120			
Pentachlorobenzene		3.83	0.000800	4.00	0	95.7	80	120			
Pentachlorophenol		3.29	0.000800	4.00	0	82.3	80	120			
Phenanthrene		3.73	0.000800	4.00	0	93.2	80	120			
Phenol		3.27	0.000800	4.00	0	81.8	80	120			
Pyrene		3.92	0.000800	4.00	0	98.0	80	120			
Pyridine		3.61	0.00200	4.00	0	90.3	80	120			
Surr: 2,4,6-Tribromophenol		3840		4000		96.0	80	120			
Surr: 2-Fluorobiphenyl		3960		4000		99.0	80	120			
Surr: 2-Fluorophenol		4050		4000		101	80	120			
Surr: 4-Terphenyl-d14		3520		4000		88.0	80	120			
Surr: Nitrobenzene-d5		4160		4000		104	80	120			
Surr: Phenol-d5		3140		4000		78.5	80	120			S

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS9_130904A

Sample ID	ICV-130904 APP9	Batch ID:	R68452	TestNo:	SW8270D		Units:	mg/L			
SampType:	ICV	Run ID:	GCMS9_130904A	Analysis Date: 9/4/2013 11:34:00 AM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1-Chloronaphthalene		4.26	0.000800	4.00	0	106	80	120			N
1-Naphthylamine		4.11	0.000800	4.00	0	103	80	120			
2-Naphthylamine		4.30	0.000800	4.00	0	107	80	120			
2-Picoline		4.31	0.000800	4.00	0	108	80	120			
3-Methylcholanthrene		3.69	0.000800	4.00	0	92.3	80	120			
4-Aminobiphenyl		4.24	0.000800	4.00	0	106	80	120			
7,12-Dimethylbenz(a)anthracene		4.16	0.000800	4.00	0	104	80	120			
Dibenz(a,j)acridine		3.68	0.00400	4.00	0	92.1	80	120			N
Dimethylphenethylamine		4.43	0.00600	4.00	0	111	80	120			
Diphenylamine		3.93	0.000800	4.00	0	98.4	80	120			
Ethyl methanesulfonate		4.35	0.000800	4.00	0	109	80	120			
Methyl methanesulfonate		4.02	0.000800	4.00	0	100	80	120			
N-Nitrosopiperidine		4.22	0.000800	4.00	0	106	80	120			
p-Dimethylaminoazobenzene		4.54	0.000800	4.00	0	113	80	120			N
Pentachloronitrobenzene		3.07	0.000800	4.00	0	76.8	80	120			S
Phenacetin		4.44	0.000800	4.00	0	111	80	120			
Pronamide		3.88	0.000800	4.00	0	97.0	80	120			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130826A

The QC data in batch 59170 applies to the following samples: 1308230-01A, 1308230-02A, 1308230-03A, 1308230-04A, 1308230-05A

Sample ID	LCS-59170	Batch ID:	59170	TestNo:	SW8260C		Units:	mg/L			
SampType:	LCS	Run ID:	GCMS5_130826A	Analysis Date: 8/26/2013 9:34:00 AM			Prep Date:	8/26/2013			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		0.0232	0.00100	0.0232	0	100	80	130			
1,1,1-Trichloroethane		0.0248	0.00100	0.0232	0	107	65	130			
1,1,2,2-Tetrachloroethane		0.0221	0.00100	0.0232	0	95.3	65	130			
1,1,2-Trichloroethane		0.0239	0.00100	0.0232	0	103	75	125			
1,1-Dichloroethane		0.0250	0.00100	0.0232	0	108	70	135			
1,1-Dichloroethene		0.0247	0.00100	0.0232	0	107	70	130			
1,1-Dichloropropene		0.0245	0.00100	0.0232	0	105	75	130			
1,2,3-Trichlorobenzene		0.0206	0.00500	0.0232	0	88.9	55	140			
1,2,3-Trichloropropane		0.0219	0.00100	0.0232	0	94.3	75	125			
1,2,4-Trichlorobenzene		0.0212	0.00500	0.0232	0	91.5	65	135			
1,2,4-Trimethylbenzene		0.0236	0.00500	0.0232	0	102	75	130			
1,2-Dibromo-3-chloropropane		0.0208	0.0100	0.0232	0	89.7	50	130			
1,2-Dibromoethane		0.0227	0.00100	0.0232	0	97.8	80	120			
1,2-Dichlorobenzene		0.0226	0.00100	0.0232	0	97.4	70	120			
1,2-Dichloroethane		0.0248	0.00100	0.0232	0	107	70	130			
1,2-Dichloropropane		0.0244	0.00100	0.0232	0	105	75	125			
1,3,5-Trimethylbenzene		0.0233	0.00500	0.0232	0	100	75	130			
1,3-Dichlorobenzene		0.0228	0.00100	0.0232	0	98.1	75	125			
1,3-Dichloropropane		0.0226	0.00100	0.0232	0	97.6	75	125			
1,4-Dichloro-2-butene		0.0200	0.00200	0.0232	0	86.1	50	150			
1,4-Dichlorobenzene		0.0226	0.00100	0.0232	0	97.4	75	125			
2,2-Dichloropropane		0.0267	0.00100	0.0232	0	115	70	135			
2-Butanone		0.110	0.0150	0.116	0	95.1	30	150			
2-Chloroethylvinylether		0.0227	0.0150	0.0232	0	98.0	50	150			
2-Chlorotoluene		0.0227	0.00100	0.0232	0	97.8	75	125			
2-Hexanone		0.111	0.0150	0.116	0	95.3	55	130			
4-Chlorotoluene		0.0231	0.00100	0.0232	0	99.7	75	130			
4-Methyl-2-pentanone		0.110	0.0150	0.116	0	94.7	60	135			
Acetone		0.125	0.0150	0.116	0	108	40	140			
Acrylonitrile		0.0497	0.00300	0.0464	0	107	50	150			
Benzene		0.0244	0.00100	0.0232	0	105	80	120			
Bromobenzene		0.0232	0.00100	0.0232	0	99.9	75	125			
Bromochloromethane		0.0247	0.00100	0.0232	0	106	65	130			
Bromodichloromethane		0.0252	0.00100	0.0232	0	108	75	120			
Bromoform		0.0231	0.00100	0.0232	0	99.7	70	130			
Bromomethane		0.0279	0.00100	0.0232	0	120	30	145			
Carbon disulfide		0.0241	0.0150	0.0232	0	104	35	160			
Carbon tetrachloride		0.0252	0.00100	0.0232	0	109	65	140			
Chlorobenzene		0.0226	0.00100	0.0232	0	97.5	80	120			
Chloroethane		0.0249	0.00100	0.0232	0	107	60	135			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130826A

Sample ID	LCS-59170	Batch ID:	59170	TestNo:	SW8260C		Units:	mg/L			
SampType:	LCS	Run ID:	GCMS5_130826A	Analysis Date: 8/26/2013 9:34:00 AM			Prep Date:	8/26/2013			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloroform		0.0251	0.00100	0.0232	0	108	65	135			
Chloromethane		0.0233	0.00100	0.0232	0	100	40	125			
cis-1,2-Dichloroethene		0.0246	0.00100	0.0232	0	106	70	125			
cis-1,3-Dichloropropene		0.0250	0.00100	0.0232	0	108	70	130			
Dibromochloromethane		0.0229	0.00100	0.0232	0	98.5	60	135			
Dibromomethane		0.0246	0.00100	0.0232	0	106	75	125			
Dichlorodifluoromethane		0.0213	0.00100	0.0232	0	91.9	30	155			
Ethylbenzene		0.0227	0.00100	0.0232	0	97.9	75	125			
Iodomethane		0.0339	0.0150	0.0232	0	146	50	150			
Isopropylbenzene		0.0236	0.00100	0.0232	0	102	75	125			
m,p-Xylene		0.0472	0.00200	0.0464	0	102	75	130			
Methyl tert-butyl ether		0.0236	0.00100	0.0232	0	102	65	125			
Methylene chloride		0.0255	0.00250	0.0232	0	110	55	140			
n-Butylbenzene		0.0237	0.00100	0.0232	0	102	70	135			
n-Propylbenzene		0.0234	0.00100	0.0232	0	101	70	130			
o-Xylene		0.0233	0.00100	0.0232	0	100	80	120			
p-Isopropyltoluene		0.0234	0.00100	0.0232	0	101	75	130			
sec-Butylbenzene		0.0233	0.00100	0.0232	0	101	70	125			
Styrene		0.0227	0.00100	0.0232	0	97.9	65	135			
tert-Butylbenzene		0.0232	0.00100	0.0232	0	99.8	70	130			
Tetrachloroethene		0.0227	0.00200	0.0232	0	97.9	45	150			
Toluene		0.0240	0.00200	0.0232	0	103	75	120			
trans-1,2-Dichloroethene		0.0244	0.00100	0.0232	0	105	60	140			
trans-1,3-Dichloropropene		0.0248	0.00100	0.0232	0	107	55	140			
Trichloroethene		0.0235	0.00200	0.0232	0	101	70	125			
Trichlorofluoromethane		0.0249	0.00100	0.0232	0	107	60	145			
Vinyl chloride		0.0238	0.00100	0.0232	0	102	50	145			
Surr: 1,2-Dichloroethane-d4		208		200.0		104	70	120			
Surr: 4-Bromofluorobenzene		201		200.0		100	75	120			
Surr: Dibromofluoromethane		213		200.0		106	85	115			
Surr: Toluene-d8		193		200.0		96.7	85	120			

Sample ID	MB-59170	Batch ID:	59170	TestNo:	SW8260C		Units:	mg/L			
SampType:	MBLK	Run ID:	GCMS5_130826A	Analysis Date: 8/26/2013 10:22:00 AM			Prep Date:	8/26/2013			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		<0.000200	0.00100								
1,1,1-Trichloroethane		<0.000200	0.00100								
1,1,2,2-Tetrachloroethane		<0.000200	0.00100								
1,1,2-Trichloroethane		<0.000200	0.00100								
1,1-Dichloroethane		<0.000200	0.00100								

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130826A

Sample ID	MB-59170	Batch ID:	59170	TestNo:	SW8260C	Units:	mg/L				
SampType:	MBLK	Run ID:	GCMS5_130826A	Analysis Date: 8/26/2013 10:22:00 AM		Prep Date:	8/26/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene		<0.000200	0.00100								
1,1-Dichloropropene		<0.000200	0.00100								
1,2,3-Trichlorobenzene		<0.00150	0.00500								
1,2,3-Trichloropropane		<0.000300	0.00100								
1,2,4-Trichlorobenzene		<0.00150	0.00500								
1,2,4-Trimethylbenzene		<0.00150	0.00500								
1,2-Dibromo-3-chloropropane		<0.00300	0.0100								
1,2-Dibromoethane		<0.000200	0.00100								
1,2-Dichlorobenzene		<0.000300	0.00100								
1,2-Dichloroethane		<0.000300	0.00100								
1,2-Dichloropropane		<0.000200	0.00100								
1,3,5-Trimethylbenzene		<0.00150	0.00500								
1,3-Dichlorobenzene		<0.000300	0.00100								
1,3-Dichloropropane		<0.000200	0.00100								
1,4-Dichloro-2-butene		<0.00200	0.00200								
1,4-Dichlorobenzene		<0.000300	0.00100								
2,2-Dichloropropane		<0.000200	0.00100								
2-Butanone		<0.00500	0.0150								
2-Chloroethylvinylether		<0.00500	0.0150								
2-Chlorotoluene		<0.000300	0.00100								
2-Hexanone		<0.00500	0.0150								
4-Chlorotoluene		<0.000300	0.00100								
4-Methyl-2-pentanone		<0.00500	0.0150								
Acetone		<0.00500	0.0150								
Acrylonitrile		<0.00100	0.00300								
Benzene		<0.000200	0.00100								
Bromobenzene		<0.000200	0.00100								
Bromoform		<0.000200	0.00100								
Bromomethane		<0.000300	0.00100								
Carbon disulfide		<0.00500	0.0150								
Carbon tetrachloride		<0.000200	0.00100								
Chlorobenzene		<0.000200	0.00100								
Chloroethane		<0.000300	0.00100								
Chloroform		<0.000300	0.00100								
Chloromethane		<0.000300	0.00100								
cis-1,2-Dichloroethene		<0.000200	0.00100								
cis-1,3-Dichloropropene		<0.000200	0.00100								
Dibromochloromethane		<0.000200	0.00100								
Dibromomethane		<0.000200	0.00100								

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130826A

Sample ID	MB-59170	Batch ID:	59170	TestNo:	SW8260C	Units:	mg/L				
SampType:	MBLK	Run ID:	GCMS5_130826A	Analysis Date: 8/26/2013 10:22:00 AM		Prep Date:	8/26/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Dichlorodifluoromethane		<0.000200	0.00100								
Ethylbenzene		<0.000300	0.00100								
Iodomethane		<0.00500	0.0150								
Isopropylbenzene		<0.000200	0.00100								
m,p-Xylene		<0.000600	0.00200								
Methyl tert-butyl ether		<0.000300	0.00100								
Methylene chloride		<0.00250	0.00250								
n-Butylbenzene		<0.000300	0.00100								
n-Propylbenzene		<0.000300	0.00100								
o-Xylene		<0.000300	0.00100								
p-Isopropyltoluene		<0.000300	0.00100								
sec-Butylbenzene		<0.000300	0.00100								
Styrene		<0.000200	0.00100								
tert-Butylbenzene		<0.000300	0.00100								
Tetrachloroethene		<0.000600	0.00200								
Toluene		<0.000600	0.00200								
trans-1,2-Dichloroethene		<0.000200	0.00100								
trans-1,3-Dichloropropene		<0.000200	0.00100								
Trichloroethene		<0.000600	0.00200								
Trichlorofluoromethane		<0.000200	0.00100								
Vinyl chloride		<0.000100	0.00100								
Surr: 1,2-Dichloroethane-d4		211		200.0		105	70	120			
Surr: 4-Bromofluorobenzene		216		200.0		108	75	120			
Surr: Dibromofluoromethane		213		200.0		106	85	115			
Surr: Toluene-d8		198		200.0		98.8	85	120			

Sample ID	1308217-01AMS	Batch ID:	59170	TestNo:	SW8260C	Units:	mg/L				
SampType:	MS	Run ID:	GCMS5_130826A	Analysis Date: 8/26/2013 11:12:00 AM		Prep Date:	8/26/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		0.0224	0.00100	0.0232	0	96.6	80	130			
1,1,1-Trichloroethane		0.0241	0.00100	0.0232	0	104	65	130			
1,1,2,2-Tetrachloroethane		0.0232	0.00100	0.0232	0	100	65	130			
1,1,2-Trichloroethane		0.0242	0.00100	0.0232	0	104	75	125			
1,1-Dichloroethane		0.0237	0.00100	0.0232	0	102	70	135			
1,1-Dichloroethene		0.0230	0.00100	0.0232	0	99.2	70	130			
1,1-Dichloropropene		0.0243	0.00100	0.0232	0	105	75	130			
1,2,3-Trichlorobenzene		0.0210	0.00500	0.0232	0	90.3	55	140			
1,2,3-Trichloropropane		0.0223	0.00100	0.0232	0	96.1	75	125			
1,2,4-Trichlorobenzene		0.0213	0.00500	0.0232	0	91.9	65	135			
1,2,4-Trimethylbenzene		0.0227	0.00500	0.0232	0	98.0	75	130			

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130826A

Sample ID	1308217-01AMS	Batch ID:	59170	TestNo:	SW8260C	Units:	mg/L				
SampType:	MS	Run ID:	GCMS5_130826A	Analysis Date: 8/26/2013 11:12:00 AM		Prep Date:	8/26/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,2-Dibromo-3-chloropropane		0.0208	0.0100	0.0232	0	89.5	50	130			
1,2-Dibromoethane		0.0218	0.00100	0.0232	0	93.9	80	120			
1,2-Dichlorobenzene		0.0221	0.00100	0.0232	0	95.3	70	120			
1,2-Dichloroethane		0.0241	0.00100	0.0232	0	104	70	130			
1,2-Dichloropropane		0.0237	0.00100	0.0232	0	102	75	125			
1,3,5-Trimethylbenzene		0.0227	0.00500	0.0232	0	98.0	75	130			
1,3-Dichlorobenzene		0.0223	0.00100	0.0232	0	96.0	75	125			
1,3-Dichloropropane		0.0226	0.00100	0.0232	0	97.2	75	125			
1,4-Dichloro-2-butene		0.0206	0.00200	0.0232	0	88.9	50	150			
1,4-Dichlorobenzene		0.0217	0.00100	0.0232	0	93.4	75	125			
2,2-Dichloropropane		0.0255	0.00100	0.0232	0	110	70	135			
2-Butanone		0.110	0.0150	0.116	0	94.9	30	150			
2-Chloroethylvinylether		0.0234	0.0150	0.0232	0	101	50	150			
2-Chlorotoluene		0.0224	0.00100	0.0232	0	96.4	75	125			
2-Hexanone		0.117	0.0150	0.116	0	101	55	130			
4-Chlorotoluene		0.0226	0.00100	0.0232	0	97.6	75	130			
4-Methyl-2-pentanone		0.118	0.0150	0.116	0	102	60	135			
Acetone		0.119	0.0150	0.116	0	102	40	140			
Acrylonitrile		0.0491	0.00300	0.0464	0	106	50	150			
Benzene		0.0237	0.00100	0.0232	0	102	80	120			
Bromobenzene		0.0220	0.00100	0.0232	0	94.8	75	125			
Bromochloromethane		0.0242	0.00100	0.0232	0	104	65	130			
Bromodichloromethane		0.0240	0.00100	0.0232	0	104	75	120			
Bromoform		0.0220	0.00100	0.0232	0	94.8	70	130			
Bromomethane		0.0191	0.00100	0.0232	0	82.2	30	145			
Carbon disulfide		0.0230	0.0150	0.0232	0	98.9	35	160			
Carbon tetrachloride		0.0239	0.00100	0.0232	0	103	65	140			
Chlorobenzene		0.0224	0.00100	0.0232	0	96.4	80	120			
Chloroethane		0.0234	0.00100	0.0232	0	101	60	135			
Chloroform		0.0239	0.00100	0.0232	0	103	65	135			
Chloromethane		0.0206	0.00100	0.0232	0	88.8	40	125			
cis-1,2-Dichloroethene		0.0235	0.00100	0.0232	0	101	70	125			
cis-1,3-Dichloropropene		0.0241	0.00100	0.0232	0	104	70	130			
Dibromochloromethane		0.0219	0.00100	0.0232	0	94.3	60	135			
Dibromomethane		0.0240	0.00100	0.0232	0	103	75	125			
Dichlorodifluoromethane		0.0200	0.00100	0.0232	0	86.0	30	155			
Ethylbenzene		0.0220	0.00100	0.0232	0	95.0	75	125			
Iodomethane		0.0164	0.0150	0.0232	0	70.9	50	150			
Isopropylbenzene		0.0228	0.00100	0.0232	0	98.3	75	125			
m,p-Xylene		0.0451	0.00200	0.0464	0	97.1	75	130			
Methyl tert-butyl ether		0.0232	0.00100	0.0232	0	99.9	65	125			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130826A

Sample ID	1308217-01AMS	Batch ID:	59170	TestNo:	SW8260C		Units:	mg/L			
SampType:	MS	Run ID:	GCMS5_130826A	Analysis Date: 8/26/2013 11:12:00 AM			Prep Date:	8/26/2013			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methylene chloride		0.0243	0.00250	0.0232	0	105	55	140			
n-Butylbenzene		0.0232	0.00100	0.0232	0	99.9	70	135			
n-Propylbenzene		0.0224	0.00100	0.0232	0	96.5	70	130			
o-Xylene		0.0222	0.00100	0.0232	0	95.6	80	120			
p-Isopropyltoluene		0.0226	0.00100	0.0232	0	97.5	75	130			
sec-Butylbenzene		0.0225	0.00100	0.0232	0	97.2	70	125			
Styrene		0.0228	0.00100	0.0232	0	98.1	65	135			
tert-Butylbenzene		0.0221	0.00100	0.0232	0	95.2	70	130			
Tetrachloroethene		0.0231	0.00200	0.0232	0	99.5	45	150			
Toluene		0.0239	0.00200	0.0232	0	103	75	120			
trans-1,2-Dichloroethene		0.0234	0.00100	0.0232	0	101	60	140			
trans-1,3-Dichloropropene		0.0245	0.00100	0.0232	0	106	55	140			
Trichloroethene		0.0229	0.00200	0.0232	0	98.7	70	125			
Trichlorofluoromethane		0.0239	0.00100	0.0232	0	103	60	145			
Vinyl chloride		0.0214	0.00100	0.0232	0	92.4	50	145			
Surr: 1,2-Dichloroethane-d4		210		200.0		105	70	120			
Surr: 4-Bromofluorobenzene		199		200.0		99.7	75	120			
Surr: Dibromofluoromethane		205		200.0		103	85	115			
Surr: Toluene-d8		196		200.0		97.8	85	120			

Sample ID	1308217-01AMSD	Batch ID:	59170	TestNo:	SW8260C		Units:	mg/L			
SampType:	MSD	Run ID:	GCMS5_130826A	Analysis Date: 8/26/2013 11:36:00 AM			Prep Date:	8/26/2013			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		0.0224	0.00100	0.0232	0	96.4	80	130	0.179	30	
1,1,1-Trichloroethane		0.0247	0.00100	0.0232	0	107	65	130	2.62	30	
1,1,2,2-Tetrachloroethane		0.0234	0.00100	0.0232	0	101	65	130	0.858	30	
1,1,2-Trichloroethane		0.0242	0.00100	0.0232	0	104	75	125	0.289	30	
1,1-Dichloroethane		0.0250	0.00100	0.0232	0	108	70	135	5.22	30	
1,1-Dichloroethene		0.0244	0.00100	0.0232	0	105	70	130	5.86	30	
1,1-Dichloropropene		0.0246	0.00100	0.0232	0	106	75	130	1.31	30	
1,2,3-Trichlorobenzene		0.0216	0.00500	0.0232	0	93.3	55	140	3.24	30	
1,2,3-Trichloropropane		0.0229	0.00100	0.0232	0	98.6	75	125	2.57	30	
1,2,4-Trichlorobenzene		0.0222	0.00500	0.0232	0	95.9	65	135	4.22	30	
1,2,4-Trimethylbenzene		0.0228	0.00500	0.0232	0	98.4	75	130	0.483	30	
1,2-Dibromo-3-chloropropane		0.0219	0.0100	0.0232	0	94.5	50	130	5.43	30	
1,2-Dibromoethane		0.0227	0.00100	0.0232	0	97.9	80	120	4.13	30	
1,2-Dichlorobenzene		0.0230	0.00100	0.0232	0	98.9	70	120	3.73	30	
1,2-Dichloroethane		0.0251	0.00100	0.0232	0	108	70	130	3.94	30	
1,2-Dichloropropane		0.0238	0.00100	0.0232	0	103	75	125	0.464	30	
1,3,5-Trimethylbenzene		0.0229	0.00500	0.0232	0	98.6	75	130	0.614	30	

Qualifiers:	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130826A

Sample ID	1308217-01AMSD	Batch ID:	59170	TestNo:	SW8260C		Units:	mg/L			
SampType:	MSD	Run ID:	GCMS5_130826A	Analysis Date: 8/26/2013 11:36:00 AM			Prep Date:	8/26/2013			
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,3-Dichlorobenzene		0.0223	0.00100	0.0232	0	96.3	75	125	0.314	30	
1,3-Dichloropropane		0.0227	0.00100	0.0232	0	97.8	75	125	0.575	30	
1,4-Dichloro-2-butene		0.0205	0.00200	0.0232	0	88.2	50	150	0.779	30	
1,4-Dichlorobenzene		0.0222	0.00100	0.0232	0	95.6	75	125	2.33	30	
2,2-Dichloropropane		0.0262	0.00100	0.0232	0	113	70	135	3.02	30	
2-Butanone		0.111	0.0150	0.116	0	95.8	30	150	0.940	30	
2-Chloroethylvinylether		0.0234	0.0150	0.0232	0	101	50	150	0.085	30	
2-Chlorotoluene		0.0224	0.00100	0.0232	0	96.7	75	125	0.357	30	
2-Hexanone		0.113	0.0150	0.116	0	97.5	55	130	3.46	30	
4-Chlorotoluene		0.0228	0.00100	0.0232	0	98.1	75	130	0.485	30	
4-Methyl-2-pentanone		0.113	0.0150	0.116	0	97.8	60	135	4.05	30	
Acetone		0.121	0.0150	0.116	0	104	40	140	1.81	30	
Acrylonitrile		0.0514	0.00300	0.0464	0	111	50	150	4.54	30	
Benzene		0.0244	0.00100	0.0232	0	105	80	120	2.95	30	
Bromobenzene		0.0226	0.00100	0.0232	0	97.3	75	125	2.65	30	
Bromochloromethane		0.0247	0.00100	0.0232	0	106	65	130	2.01	30	
Bromodichloromethane		0.0252	0.00100	0.0232	0	108	75	120	4.60	30	
Bromoform		0.0222	0.00100	0.0232	0	95.5	70	130	0.680	30	
Bromomethane		0.0233	0.00100	0.0232	0	100	30	145	20.0	30	
Carbon disulfide		0.0237	0.0150	0.0232	0	102	35	160	3.09	30	
Carbon tetrachloride		0.0246	0.00100	0.0232	0	106	65	140	2.60	30	
Chlorobenzene		0.0225	0.00100	0.0232	0	96.9	80	120	0.491	30	
Chloroethane		0.0250	0.00100	0.0232	0	108	60	135	6.54	30	
Chloroform		0.0251	0.00100	0.0232	0	108	65	135	4.97	30	
Chloromethane		0.0230	0.00100	0.0232	0	99.1	40	125	10.9	30	
cis-1,2-Dichloroethene		0.0242	0.00100	0.0232	0	105	70	125	3.31	30	
cis-1,3-Dichloropropene		0.0247	0.00100	0.0232	0	106	70	130	2.50	30	
Dibromochloromethane		0.0225	0.00100	0.0232	0	97.1	60	135	2.97	30	
Dibromomethane		0.0252	0.00100	0.0232	0	109	75	125	5.20	30	
Dichlorodifluoromethane		0.0217	0.00100	0.0232	0	93.5	30	155	8.36	30	
Ethylbenzene		0.0225	0.00100	0.0232	0	97.0	75	125	2.02	30	
Iodomethane		0.0201	0.0150	0.0232	0	86.7	50	150	20.1	30	
Isopropylbenzene		0.0229	0.00100	0.0232	0	98.7	75	125	0.438	30	
m,p-Xylene		0.0456	0.00200	0.0464	0	98.2	75	130	1.08	30	
Methyl tert-butyl ether		0.0239	0.00100	0.0232	0	103	65	125	3.19	30	
Methylene chloride		0.0253	0.00250	0.0232	0	109	55	140	3.96	30	
n-Butylbenzene		0.0235	0.00100	0.0232	0	101	70	135	1.58	30	
n-Propylbenzene		0.0230	0.00100	0.0232	0	99.3	70	130	2.86	30	
o-Xylene		0.0225	0.00100	0.0232	0	96.9	80	120	1.34	30	
p-Isopropyltoluene		0.0232	0.00100	0.0232	0	99.9	75	130	2.40	30	
sec-Butylbenzene		0.0227	0.00100	0.0232	0	97.8	70	125	0.619	30	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130826A

Sample ID	1308217-01AMSD	Batch ID:	59170	TestNo:	SW8260C	Units:	mg/L				
SampType:	MSD	Run ID:	GCMS5_130826A	Analysis Date: 8/26/2013 11:36:00 AM		Prep Date:	8/26/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Styrene		0.0230	0.00100	0.0232	0	99.3	65	135	1.18	30	
tert-Butylbenzene		0.0224	0.00100	0.0232	0	96.3	70	130	1.22	30	
Tetrachloroethene		0.0229	0.00200	0.0232	0	98.6	45	150	0.914	30	
Toluene		0.0241	0.00200	0.0232	0	104	75	120	0.957	30	
trans-1,2-Dichloroethene		0.0242	0.00100	0.0232	0	104	60	140	3.49	30	
trans-1,3-Dichloropropene		0.0241	0.00100	0.0232	0	104	55	140	1.65	30	
Trichloroethene		0.0235	0.00200	0.0232	0	101	70	125	2.67	30	
Trichlorofluoromethane		0.0253	0.00100	0.0232	0	109	60	145	5.81	30	
Vinyl chloride		0.0241	0.00100	0.0232	0	104	50	145	11.7	30	
Surr: 1,2-Dichloroethane-d4		212		200.0		106	70	120	0	0	
Surr: 4-Bromofluorobenzene		201		200.0		100	75	120	0	0	
Surr: Dibromofluoromethane		212		200.0		106	85	115	0	0	
Surr: Toluene-d8		191		200.0		95.4	85	120	0	0	

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130826A

Sample ID	ICV-130826	Batch ID:	R68334	TestNo:	SW8260C		Units:	mg/L			
SampType:	ICV	Run ID:	GCMS5_130826A	Analysis Date: 8/26/2013 9:00:00 AM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane		0.0452	0.00100	0.0464	0	97.5	80	120			
1,1,1-Trichloroethane		0.0458	0.00100	0.0464	0	98.8	80	120			
1,1,2,2-Tetrachloroethane		0.0459	0.00100	0.0464	0	99.0	80	120			
1,1,2-Trichloroethane		0.0465	0.00100	0.0464	0	100	80	120			
1,1-Dichloroethane		0.0456	0.00100	0.0464	0	98.2	80	120			
1,1-Dichloroethene		0.0434	0.00100	0.0464	0	93.5	80	120			
1,1-Dichloropropene		0.0475	0.00100	0.0464	0	102	80	120			
1,2,3-Trichlorobenzene		0.0437	0.00500	0.0464	0	94.1	80	120			
1,2,3-Trichloropropane		0.0449	0.00100	0.0464	0	96.7	80	120			
1,2,4-Trichlorobenzene		0.0443	0.00500	0.0464	0	95.6	80	120			
1,2,4-Trimethylbenzene		0.0455	0.00500	0.0464	0	98.0	80	120			
1,2-Dibromo-3-chloropropane		0.0453	0.0100	0.0464	0	97.6	80	120			
1,2-Dibromoethane		0.0437	0.00100	0.0464	0	94.3	80	120			
1,2-Dichlorobenzene		0.0442	0.00100	0.0464	0	95.2	80	120			
1,2-Dichloroethane		0.0460	0.00100	0.0464	0	99.2	80	120			
1,2-Dichloropropane		0.0450	0.00100	0.0464	0	96.9	80	120			
1,3,5-Trimethylbenzene		0.0452	0.00500	0.0464	0	97.3	80	120			
1,3-Dichlorobenzene		0.0438	0.00100	0.0464	0	94.4	80	120			
1,3-Dichloropropane		0.0435	0.00100	0.0464	0	93.8	80	120			
1,4-Dichloro-2-butene		0.0430	0.00200	0.0464	0	92.6	80	120			
1,4-Dichlorobenzene		0.0430	0.00100	0.0464	0	92.7	80	120			
2,2-Dichloropropane		0.0499	0.00100	0.0464	0	108	80	120			
2-Butanone		0.216	0.0150	0.232	0	93.3	80	120			
2-Chloroethylvinylether		0.0494	0.0150	0.0464	0	106	80	120			
2-Chlorotoluene		0.0440	0.00100	0.0464	0	94.8	80	120			
2-Hexanone		0.224	0.0150	0.232	0	96.6	80	120			
4-Chlorotoluene		0.0450	0.00100	0.0464	0	96.9	80	120			
4-Methyl-2-pentanone		0.221	0.0150	0.232	0	95.5	80	120			
Acetone		0.228	0.0150	0.232	0	98.3	80	120			
Acrylonitrile		0.0963	0.00300	0.0928	0	104	60	140			
Benzene		0.0460	0.00100	0.0464	0	99.2	80	120			
Bromobenzene		0.0437	0.00100	0.0464	0	94.2	80	120			
Bromochloromethane		0.0444	0.00100	0.0464	0	95.8	80	120			
Bromodichloromethane		0.0475	0.00100	0.0464	0	102	80	120			
Bromoform		0.0479	0.00100	0.0464	0	103	80	120			
Bromomethane		0.0508	0.00100	0.0464	0	109	80	120			
Carbon disulfide		0.0446	0.0150	0.0464	0	96.0	80	120			
Carbon tetrachloride		0.0476	0.00100	0.0464	0	103	80	120			
Chlorobenzene		0.0428	0.00100	0.0464	0	92.2	80	120			
Chloroethane		0.0448	0.00100	0.0464	0	96.6	80	120			
Chloroform		0.0453	0.00100	0.0464	0	97.7	80	120			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: GCMS5_130826A

Sample ID	ICV-130826	Batch ID:	R68334	TestNo:	SW8260C		Units:	mg/L			
SampType:	ICV	Run ID:	GCMS5_130826A	Analysis Date: 8/26/2013 9:00:00 AM			Prep Date:				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloromethane		0.0411	0.00100	0.0464	0	88.6	80	120			
cis-1,2-Dichloroethene		0.0452	0.00100	0.0464	0	97.4	80	120			
cis-1,3-Dichloropropene		0.0490	0.00100	0.0464	0	106	80	120			
Dibromochloromethane		0.0452	0.00100	0.0464	0	97.5	80	120			
Dibromomethane		0.0460	0.00100	0.0464	0	99.1	80	120			
Dichlorodifluoromethane		0.0393	0.00100	0.0464	0	84.6	80	120			
Ethylbenzene		0.0431	0.00100	0.0464	0	92.8	80	120			
Iodomethane		0.0517	0.0150	0.0464	0	111	80	120			
Isopropylbenzene		0.0444	0.00100	0.0464	0	95.6	80	120			
m,p-Xylene		0.0868	0.00200	0.0928	0	93.5	80	120			
Methyl tert-butyl ether		0.0466	0.00100	0.0464	0	101	80	120			
Methylene chloride		0.0461	0.00250	0.0464	0	99.4	80	120			
n-Butylbenzene		0.0484	0.00100	0.0464	0	104	80	120			
n-Propylbenzene		0.0447	0.00100	0.0464	0	96.3	80	120			
o-Xylene		0.0430	0.00100	0.0464	0	92.6	80	120			
p-Isopropyltoluene		0.0459	0.00100	0.0464	0	98.9	80	120			
sec-Butylbenzene		0.0452	0.00100	0.0464	0	97.5	80	120			
Styrene		0.0450	0.00100	0.0464	0	96.9	80	120			
tert-Butylbenzene		0.0448	0.00100	0.0464	0	96.4	80	120			
Tetrachloroethene		0.0438	0.00200	0.0464	0	94.3	80	120			
Toluene		0.0453	0.00200	0.0464	0	97.7	80	120			
trans-1,2-Dichloroethene		0.0450	0.00100	0.0464	0	96.9	80	120			
trans-1,3-Dichloropropene		0.0502	0.00100	0.0464	0	108	80	120			
Trichloroethene		0.0444	0.00200	0.0464	0	95.6	80	120			
Trichlorofluoromethane		0.0470	0.00100	0.0464	0	101	80	120			
Vinyl chloride		0.0426	0.00100	0.0464	0	91.8	80	120			
Surr: 1,2-Dichloroethane-d4		209		200.0		105	70	120			
Surr: 4-Bromofluorobenzene		200		200.0		99.9	75	120			
Surr: Dibromofluoromethane		204		200.0		102	85	115			
Surr: Toluene-d8		194		200.0		97.1	85	120			

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_130822A

The QC data in batch 59115 applies to the following samples: 1308230-01D, 1308230-02D, 1308230-03D

Sample ID	LCS-59115	Batch ID:	59115	TestNo:	E300	Units:	mg/L
SampType:	LCS	Run ID:	IC2_130822A	Analysis Date:	8/22/2013 10:06:13 AM	Prep Date:	8/22/2013
<hr/>							
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit HighLimit %RPD RPDLimit Qual
Sulfate		31.4	3.00	30.00	0	105	90 110
<hr/>							
Sample ID	LCSD-59115	Batch ID:	59115	TestNo:	E300	Units:	mg/L
SampType:	LCSD	Run ID:	IC2_130822A	Analysis Date:	8/22/2013 10:20:47 AM	Prep Date:	8/22/2013
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit HighLimit %RPD RPDLimit Qual
Sulfate		31.4	3.00	30.00	0	105	90 110 0.015 20
<hr/>							
Sample ID	MB-59115	Batch ID:	59115	TestNo:	E300	Units:	mg/L
SampType:	MBLK	Run ID:	IC2_130822A	Analysis Date:	8/22/2013 10:35:22 AM	Prep Date:	8/22/2013
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit HighLimit %RPD RPDLimit Qual
Sulfate		<1.00	3.00				
<hr/>							
Sample ID	1308230-01D DUP	Batch ID:	59115	TestNo:	E300	Units:	mg/L
SampType:	DUP	Run ID:	IC2_130822A	Analysis Date:	8/22/2013 1:02:33 PM	Prep Date:	8/22/2013
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit HighLimit %RPD RPDLimit Qual
Sulfate		2470	300	0	2536		2.77 10
<hr/>							
Sample ID	1308230-01D MS	Batch ID:	59115	TestNo:	E300	Units:	mg/L
SampType:	MS	Run ID:	IC2_130822A	Analysis Date:	8/22/2013 1:17:08 PM	Prep Date:	8/22/2013
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit HighLimit %RPD RPDLimit Qual
Sulfate		4590	300	2000	2536	103	90 110
<hr/>							
Sample ID	1308230-01D MSD	Batch ID:	59115	TestNo:	E300	Units:	mg/L
SampType:	MSD	Run ID:	IC2_130822A	Analysis Date:	8/22/2013 1:31:42 PM	Prep Date:	8/22/2013
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit HighLimit %RPD RPDLimit Qual
Sulfate		4710	300	2000	2536	109	90 110 2.54 20

Qualifiers:

- B Analyte detected in the associated Method Blank
- J Analyte detected between MDL and RL
- ND Not Detected at the Method Detection Limit
- RL Reporting Limit
- J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_130822A

Sample ID	ICV-130822	Batch ID:	R68219	TestNo:	E300	Units:	mg/L
SampType:	ICV	Run ID:	IC2_130822A	Analysis Date: 8/22/2013 9:47:00 AM		Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit HighLimit %RPD RPDLimit Qual
Sulfate		80.2	3.00	75.00	0	107	90 110
Sample ID	CCV1-130822	Batch ID:	R68219	TestNo:	E300	Units:	mg/L
SampType:	CCV	Run ID:	IC2_130822A	Analysis Date: 8/22/2013 12:31:57 PM		Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit HighLimit %RPD RPDLimit Qual
Sulfate		31.4	3.00	30.00	0	105	90 110
Sample ID	CCV2-130822	Batch ID:	R68219	TestNo:	E300	Units:	mg/L
SampType:	CCV	Run ID:	IC2_130822A	Analysis Date: 8/22/2013 2:31:08 PM		Prep Date:	
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit HighLimit %RPD RPDLimit Qual
Sulfate		31.2	3.00	30.00	0	104	90 110

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_130822A

The QC data in batch 59120 applies to the following samples: 1308230-01D, 1308230-02D, 1308230-03D

Sample ID	1308225-01B DUP	Batch ID:	59120	TestNo:	M4500-H+ B	Units:	pH Units@17.5°C
SampType:	DUP	Run ID:	TITRATOR_130822A	Analysis Date:	8/22/2013 10:12:00 AM	Prep Date:	8/22/2013
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit HighLimit %RPD RPDLimit Qual
pH		7.50	0	0	7.530	0.399	5
Sample ID	1308230-01D DUP	Batch ID:	59120	TestNo:	M4500-H+ B	Units:	pH Units@16.3°C
SampType:	DUP	Run ID:	TITRATOR_130822A	Analysis Date:	8/22/2013 11:17:00 AM	Prep Date:	8/22/2013
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit HighLimit %RPD RPDLimit Qual
pH		7.12	0	0	7.100	0.281	5

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_130822A

Sample ID	ICV-130822	Batch ID:	R68216	TestNo:	M4500-H+ B	Units:	pH Units@23.7°C				
SampType:	ICV	Run ID:	TITRATOR_130822A	Analysis Date:	8/22/2013 10:08:00 AM	Prep Date:	8/22/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH		10.0	0	10.00	0	100	99	101			
Sample ID	CCV1-130822	Batch ID:	R68216	TestNo:	M4500-H+ B	Units:	pH Units@23.3°C				
SampType:	CCV	Run ID:	TITRATOR_130822A	Analysis Date:	8/22/2013 10:16:00 AM	Prep Date:	8/22/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH		7.01	0	7.000	0	100	97.1	102.9			
Sample ID	CCV2-130822	Batch ID:	R68216	TestNo:	M4500-H+ B	Units:	pH Units@23.1°C				
SampType:	CCV	Run ID:	TITRATOR_130822A	Analysis Date:	8/22/2013 11:20:00 AM	Prep Date:	8/22/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
pH		7.01	0	7.000	0	100	97.1	102.9			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_130822B

The QC data in batch 59125 applies to the following samples: 1308230-01D, 1308230-02D, 1308230-03D

Sample ID	LCS-59125	Batch ID:	59125	TestNo:	M2320 B	Units:	mg/L @ pH 4.49
SampType:	LCS	Run ID:	TITRATOR_130822B	Analysis Date:	8/22/2013 12:19:00 PM	Prep Date:	8/22/2013
<hr/>							
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit
Alkalinity, Total (As CaCO3)							
	51.7	20.0	50.00	0	103	74	129
<hr/>							
Sample ID	MB-59125	Batch ID:	59125	TestNo:	M2320 B	Units:	mg/L @ pH 4.5
SampType:	MLBK	Run ID:	TITRATOR_130822B	Analysis Date:	8/22/2013 12:22:00 PM	Prep Date:	8/22/2013
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit
Alkalinity, Bicarbonate (As CaCO3)	<10.0	20.0					
Alkalinity, Carbonate (As CaCO3)	<10.0	20.0					
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0					
Alkalinity, Total (As CaCO3)	<10.0	20.0					
<hr/>							
Sample ID	1308230-01D DUP	Batch ID:	59125	TestNo:	M2320 B	Units:	mg/L @ pH 4.52
SampType:	DUP	Run ID:	TITRATOR_130822B	Analysis Date:	8/22/2013 12:32:00 PM	Prep Date:	8/22/2013
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit
Alkalinity, Bicarbonate (As CaCO3)	169	25.0	0	170.7		1.00	20
Alkalinity, Carbonate (As CaCO3)	<12.5	25.0	0	0		0	20
Alkalinity, Hydroxide (As CaCO3)	<12.5	25.0	0	0		0	20
Alkalinity, Total (As CaCO3)	169	25.0	0	170.7		1.00	20

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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CLIENT: Zia Engineering & Environmental
Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_130822B

Sample ID	ICV-130822	Batch ID:	R68222	TestNo:	M2320 B	Units:	mg/L @ pH 4.5			
SampType:	ICV	Run ID:	TITRATOR_130822B	Analysis Date:	8/22/2013 12:15:00 PM	Prep Date:	8/22/2013			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	11.2	20.0	0							
Alkalinity, Carbonate (As CaCO3)	89.9	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0	0							
Alkalinity, Total (As CaCO3)	101	20.0	100.0	0	101	98	102			

Sample ID	CCV-130822	Batch ID:	R68222	TestNo:	M2320 B	Units:	mg/L @ pH 4.5			
SampType:	CCV	Run ID:	TITRATOR_130822B	Analysis Date:	8/22/2013 1:06:00 PM	Prep Date:	8/22/2013			
Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	18.8	20.0	0							
Alkalinity, Carbonate (As CaCO3)	81.1	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0	0							
Alkalinity, Total (As CaCO3)	99.9	20.0	100.0	0	99.9	90	110			

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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Work Order: 1308230
Project: Rhodes Canyon

ANALYTICAL QC SUMMARY REPORT

RunID: WC_130822C

The QC data in batch 59096 applies to the following samples: 1308230-01D, 1308230-02D, 1308230-03D

Sample ID	LCS-59096	Batch ID:	59096	TestNo:	M2540C	Units:	mg/L				
SampType:	LCS	Run ID:	WC_130822C	Analysis Date:	8/22/2013 5:32:10 PM	Prep Date:	8/22/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera)		727	10.0	745.6	0	97.5	90	113			
Sample ID	MB-59096	Batch ID:	59096	TestNo:	M2540C	Units:	mg/L				
SampType:	MLBK	Run ID:	WC_130822C	Analysis Date:	8/22/2013 5:32:10 PM	Prep Date:	8/22/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera)		<10.0	10.0								
Sample ID	1308217-01D-DUP	Batch ID:	59096	TestNo:	M2540C	Units:	mg/L				
SampType:	DUP	Run ID:	WC_130822C	Analysis Date:	8/22/2013 5:32:10 PM	Prep Date:	8/22/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera)		5600	50.0	0	5390				3.82		5
Sample ID	1308230-03D-DUP	Batch ID:	59096	TestNo:	M2540C	Units:	mg/L				
SampType:	DUP	Run ID:	WC_130822C	Analysis Date:	8/22/2013 5:32:10 PM	Prep Date:	8/22/2013				
Analyte		Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera)		6710	50.0	0	6735				0.446		5

Qualifiers: B Analyte detected in the associated Method Blank
J Analyte detected between MDL and RL
ND Not Detected at the Method Detection Limit
RL Reporting Limit
J Analyte detected between SDL and RL

DF Dilution Factor
MDL Method Detection Limit
R RPD outside accepted control limits
S Spike Recovery outside control limits
N Parameter not NELAC certified

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Lab Order: 1308230
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Project: Rhodes Canyon

Sequence Report**Run ID: GC4_130828A**

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICV-130828	-----	M8015V	R68351	1	8/28/2013 9:28:13 AM		A
LCS-59217	-----	M8015V	59217	1	8/28/2013 9:48:12 AM	8/28/2013 8:39:57 AM	A
MB-59217	-----	M8015V	59217	1	8/28/2013 10:27:27 AM	8/28/2013 8:39:57 AM	A
1308230-01B	RCRC-0114-RMW-005-0813	M8015V	59217	1	8/28/2013 11:42:33 AM	8/28/2013 8:39:57 AM	A
1308230-02B	RCRC-0114-RMW-105-0813	M8015V	59217	1	8/28/2013 12:02:43 PM	8/28/2013 8:39:57 AM	A
1308230-03B	RCRC-0114-RMW-006-0813	M8015V	59217	1	8/28/2013 12:22:48 PM	8/28/2013 8:39:57 AM	A
1308217-01BMS	-----	M8015V	59217	1	8/28/2013 12:43:45 PM	8/28/2013 8:39:57 AM	A
1308217-01BMSD	-----	M8015V	59217	1	8/28/2013 1:04:46 PM	8/28/2013 8:39:57 AM	A
CCV1-130828	-----	M8015V	R68351	1	8/28/2013 2:01:31 PM		A

Run ID: GCMS5_130826A

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICV-130826	-----	SW8260C	R68334	1	8/26/2013 9:00:00 AM		A
LCS-59170	-----	SW8260C	59170	1	8/26/2013 9:34:00 AM	8/26/2013 10:07:35 AM	A
MB-59170	-----	SW8260C	59170	1	8/26/2013 10:22:00 AM	8/26/2013 10:07:35 AM	A
1308217-01AMS	-----	SW8260C	59170	1	8/26/2013 11:12:00 AM	8/26/2013 10:07:35 AM	A
1308217-01AMSD	-----	SW8260C	59170	1	8/26/2013 11:36:00 AM	8/26/2013 10:07:35 AM	A
1308230-05A	RCRC-0114-RMW-006-TB	SW8260C	59170	1	8/26/2013 12:49:00 PM	8/26/2013 10:07:35 AM	T
1308230-01A	RCRC-0114-RMW-005-0813	SW8260C	59170	1	8/26/2013 1:39:00 PM	8/26/2013 10:07:35 AM	A
1308230-02A	RCRC-0114-RMW-105-0813	SW8260C	59170	1	8/26/2013 2:04:00 PM	8/26/2013 10:07:35 AM	A
1308230-03A	RCRC-0114-RMW-006-0813	SW8260C	59170	1	8/26/2013 2:28:00 PM	8/26/2013 10:07:35 AM	A
1308230-04A	RCRC-0114-FB-001-0813	SW8260C	59170	1	8/26/2013 2:53:00 PM	8/26/2013 10:07:35 AM	F

Lab Order: 1308230
Client: Zia Engineering & Environmental
Project: Rhodes Canyon

Sequence Report**Run ID: GCMS9_130904A**

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
DFTPP-130904	-----	SW8270D	R68452	1	9/4/2013 10:42:00 AM		A
ICV-130904	-----	SW8270D	R68452	1	9/4/2013 11:02:00 AM		A
ICV-130904 APP9	-----	SW8270D	R68452	1	9/4/2013 11:34:00 AM		A
LCS-59182	-----	SW8270D	59182	1	9/4/2013 11:57:00 AM	8/26/2013 3:45:03 PM	A
	-----	SW8270D	59182	1	9/4/2013 11:57:00 AM	8/26/2013 3:45:03 PM	A
1308217-01EMS	-----	SW8270D	59182	1	9/4/2013 12:20:00 PM	8/26/2013 3:45:03 PM	A
	-----	SW8270D	59182	1	9/4/2013 12:20:00 PM	8/26/2013 3:45:03 PM	A
1308217-01EMSD	-----	SW8270D	59182	1	9/4/2013 12:43:00 PM	8/26/2013 3:45:03 PM	A
	-----	SW8270D	59182	1	9/4/2013 12:43:00 PM	8/26/2013 3:45:03 PM	A
MB-59182	-----	SW8270D	59182	1	9/4/2013 1:29:00 PM	8/26/2013 3:45:03 PM	A
	-----	SW8270D	59182	1	9/4/2013 1:29:00 PM	8/26/2013 3:45:03 PM	A
1308230-01E	RCRC-0114-RMW-005-0813	SW8270D	59182	1	9/4/2013 2:38:00 PM	8/26/2013 3:45:03 PM	A
	RCRC-0114-RMW-005-0813	SW8270D	59182	1	9/4/2013 2:38:00 PM	8/26/2013 3:45:03 PM	A
1308230-02E	RCRC-0114-RMW-105-0813	SW8270D	59182	1	9/4/2013 3:01:00 PM	8/26/2013 3:45:03 PM	A
	RCRC-0114-RMW-105-0813	SW8270D	59182	1	9/4/2013 3:01:00 PM	8/26/2013 3:45:03 PM	A
1308230-03E	RCRC-0114-RMW-006-0813	SW8270D	59182	1	9/4/2013 3:24:00 PM	8/26/2013 3:45:03 PM	A
	RCRC-0114-RMW-006-0813	SW8270D	59182	1	9/4/2013 3:24:00 PM	8/26/2013 3:45:03 PM	A

Run ID: IC2_130822A

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICV-130822	-----	E300	R68219	1	8/22/2013 9:47:00 AM		A
LCS-59115	-----	E300	59115	1	8/22/2013 10:06:13 AM	8/22/2013 9:45:18 AM	A
LCSD-59115	-----	E300	59115	1	8/22/2013 10:20:47 AM	8/22/2013 9:45:18 AM	A
MB-59115	-----	E300	59115	1	8/22/2013 10:35:22 AM	8/22/2013 9:45:18 AM	A
1308230-01D	RCRC-0114-RMW-005-0813	E300	59115	100	8/22/2013 12:17:23 PM	8/22/2013 12:00:00 PM	A
CCV1-130822	-----	E300	R68219	1	8/22/2013 12:31:57 PM		A
1308230-01D DUP	RCRC-0114-RMW-005-	E300	59115	100	8/22/2013 1:02:33 PM	8/22/2013 12:00:00 PM	A
1308230-01D MS	RCRC-0114-RMW-005-0813MS	E300	59115	100	8/22/2013 1:17:08 PM	8/22/2013 12:00:00 PM	A
1308230-01D MSD	RCRC-0114-RMW-005-	E300	59115	100	8/22/2013 1:31:42 PM	8/22/2013 12:00:00 PM	A
1308230-02D	RCRC-0114-RMW-105-0813	E300	59115	100	8/22/2013 1:46:16 PM	8/22/2013 12:00:00 PM	A
1308230-03D	RCRC-0114-RMW-006-0813	E300	59115	100	8/22/2013 2:00:51 PM	8/22/2013 12:00:00 PM	A
CCV2-130822	-----	E300	R68219	1	8/22/2013 2:31:08 PM		A

Lab Order: 1308230
Client: Zia Engineering & Environmental
Project: Rhodes Canyon

Sequence Report**Run ID: ICP-MS3_130903A**

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
BLANK STD 1	-----	SW6020A	R68455	1	9/3/2013 11:23:00 AM		A
1/20 ppb STD.	-----	SW6020A	R68455	1	9/3/2013 11:29:00 AM		A
10/200 ppb STD.	-----	SW6020A	R68455	1	9/3/2013 11:35:00 AM		A
50/1000 ppb STD.	-----	SW6020A	R68455	1	9/3/2013 11:41:00 AM		A
100/2000 ppb STD.	-----	SW6020A	R68455	1	9/3/2013 11:47:00 AM		A
250/5000 ppb STD.	-----	SW6020A	R68455	1	9/3/2013 11:53:00 AM		A
500/10000 ppb STD.	-----	SW6020A	R68455	1	9/3/2013 11:59:00 AM		A
2000/25000 ppb ST	-----	SW6020A	R68455	1	9/3/2013 12:05:00 PM		A
ICV1-130903	-----	SW6020A	R68455	1	9/3/2013 12:46:00 PM		A
ILCVL1-130903	-----	SW6020A	R68455	1	9/3/2013 1:05:00 PM		A
ICB1-130903	-----	SW6020A	R68455	1	9/3/2013 1:17:00 PM		A
MB-59186	-----	SW6020A	59186	1	9/3/2013 1:23:00 PM	8/27/2013 8:43:48 AM	A
LCS-59186	-----	SW6020A	59186	1	9/3/2013 1:29:00 PM	8/27/2013 8:43:48 AM	A
LCSD-59186	-----	SW6020A	59186	1	9/3/2013 1:35:00 PM	8/27/2013 8:43:48 AM	A
1308217-01C SD	-----	SW6020A	59186	5	9/3/2013 1:47:00 PM	8/27/2013 8:43:48 AM	A
1308217-01C PDS	-----	SW6020A	59186	1	9/3/2013 1:53:00 PM	8/27/2013 8:43:48 AM	A
1308217-01C MS	-----	SW6020A	59186	1	9/3/2013 1:59:00 PM	8/27/2013 8:43:48 AM	A
1308217-01C MSD	-----	SW6020A	59186	1	9/3/2013 2:05:00 PM	8/27/2013 8:43:48 AM	A
1308230-01C	RCRC-0114-RMW-005-0813	SW6020A	59186	1	9/3/2013 2:17:00 PM	8/27/2013 8:43:48 AM	A
CCV1-130903	-----	SW6020A	R68455	1	9/3/2013 2:41:00 PM		A
LCVL1-130903	-----	SW6020A	R68455	1	9/3/2013 3:17:00 PM		A
CCB1-130903	-----	SW6020A	R68455	1	9/3/2013 3:23:00 PM		A
1308230-02C	RCRC-0114-RMW-105-0813	SW6020A	59186	1	9/3/2013 4:36:00 PM	8/27/2013 8:43:48 AM	A
1308230-03C	RCRC-0114-RMW-006-0813	SW6020A	59186	1	9/3/2013 4:42:00 PM	8/27/2013 8:43:48 AM	A
CCV2-130903	-----	SW6020A	R68455	1	9/3/2013 4:55:00 PM		A
LCVL2-130903	-----	SW6020A	R68455	1	9/3/2013 5:19:00 PM		A
CCB2-130903	-----	SW6020A	R68455	1	9/3/2013 5:31:00 PM		A

Lab Order: 1308230
Client: Zia Engineering & Environmental
Project: Rhodes Canyon

Sequence Report**Run ID: TITRATOR_130822A**

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICV2-130822	-----	M4500-H+ B	R68216	1	8/22/2013 10:06:00 AM	8/22/2013 10:06:00 AM	A
ICV1-130822	-----	M4500-H+ B	R68216	1	8/22/2013 10:07:00 AM	8/22/2013 10:07:00 AM	A
ICV-130822	-----	M4500-H+ B	R68216	1	8/22/2013 10:08:00 AM	8/22/2013 10:08:00 AM	A
1308225-01B DUP	-----	M4500-H+ B	59120	1	8/22/2013 10:12:00 AM	8/22/2013 10:00:00 AM	A
CCV1-130822	-----	M4500-H+ B	R68216	1	8/22/2013 10:16:00 AM	8/22/2013 10:16:00 AM	A
1308230-01D	RCRC-0114-RMW-005-0813	M4500-H+ B	59120	1	8/22/2013 11:15:00 AM	8/22/2013 11:00:00 AM	A
1308230-01D DUP	RCRC-0114-RMW-005-	M4500-H+ B	59120	1	8/22/2013 11:17:00 AM	8/22/2013 11:00:00 AM	A
1308230-02D	RCRC-0114-RMW-105-0813	M4500-H+ B	59120	1	8/22/2013 11:18:00 AM	8/22/2013 11:00:00 AM	A
1308230-03D	RCRC-0114-RMW-006-0813	M4500-H+ B	59120	1	8/22/2013 11:19:00 AM	8/22/2013 11:00:00 AM	A
CCV2-130822	-----	M4500-H+ B	R68216	1	8/22/2013 11:20:00 AM	8/22/2013 11:20:00 AM	A

Run ID: TITRATOR_130822B

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICV-130822	-----	M2320 B	R68222	1	8/22/2013 12:15:00 PM	8/22/2013 12:15:00 PM	A
LCS-59125	-----	M2320 B	59125	1	8/22/2013 12:19:00 PM	8/22/2013 12:15:00 PM	A
MB-59125	-----	M2320 B	59125	1	8/22/2013 12:22:00 PM	8/22/2013 12:15:00 PM	A
1308230-01D	RCRC-0114-RMW-005-0813	M2320 B	59125	1	8/22/2013 12:27:00 PM	8/22/2013 12:15:00 PM	A
1308230-01D DUP	RCRC-0114-RMW-005-	M2320 B	59125	1	8/22/2013 12:32:00 PM	8/22/2013 12:15:00 PM	A
1308230-02D	RCRC-0114-RMW-105-0813	M2320 B	59125	1	8/22/2013 12:37:00 PM	8/22/2013 12:15:00 PM	A
1308230-03D	RCRC-0114-RMW-006-0813	M2320 B	59125	1	8/22/2013 12:42:00 PM	8/22/2013 12:15:00 PM	A
CCV-130822	-----	M2320 B	R68222	1	8/22/2013 1:06:00 PM	8/22/2013 1:06:00 PM	A

Run ID: WC_130822C

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
LCS-59096	-----	M2540C	59096	1	8/22/2013 5:32:10 PM	8/22/2013 5:32:10 PM	A
MB-59096	-----	M2540C	59096	1	8/22/2013 5:32:10 PM	8/22/2013 5:32:10 PM	A
1308217-01D-DUP	-----	M2540C	59096	1	8/22/2013 5:32:10 PM	8/22/2013 5:32:10 PM	A
1308230-01D	RCRC-0114-RMW-005-0813	M2540C	59096	1	8/22/2013 5:32:10 PM	8/22/2013 5:32:10 PM	A
1308230-02D	RCRC-0114-RMW-105-0813	M2540C	59096	1	8/22/2013 5:32:10 PM	8/22/2013 5:32:10 PM	A
1308230-03D	RCRC-0114-RMW-006-0813	M2540C	59096	1	8/22/2013 5:32:10 PM	8/22/2013 5:32:10 PM	A
1308230-03D-DUP	RCRC-0114-RMW-006-	M2540C	59096	1	8/22/2013 5:32:10 PM	8/22/2013 5:32:10 PM	A

Manual Integrations Tracking Form - DoD QSM 4.2 Requirement

Instrument ID: GCMS#9

Data Folder: GCMS9_130904A

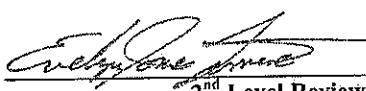
<u>Sample ID</u>	<u>Analyte #1</u> Identification & Reason	<u>Analyte #2</u> Identification & Reason	<u>Analyte #3</u> Identification & Reason	<u>Analyte #4</u> Identification & Reason
LCS-59182	MI for Benzoic Acid, identified wrong peak.			
1308217-01EMSD	MI for Benzoic Acid, identified wrong peak.			
LCS-59322	MI for Benzoic Acid, identified wrong peak.			
LCSD-59322	MI for Benzoic Acid, identified wrong peak.			

*Manually Integrated = MI

Karyn Lane
Analyst

9-5-13

Date


2nd Level Review

9/6/2013

Date

MI_GCMS_9&4